

App. F. IX-4

**PRESERVED**

Previous References

1936-7  
(C.V)

File No. 27-36

Serial Nos. 1-3

Letter References.

**PRESERVED**

## GENERAL AND REVENUE SECRETARIAT.

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Serial Nos. Three.

P-5  
E

Part B for March 27

### SUBJECT.

Administration report of the Civil Veterinary  
dept for 1935-6

24556-4628 on 18-1-37

to - Dir of Agriculture  
Heads of depts  
by. Council of MS

WD 0418-GPB-22,500-23-8-36

Reviews re

\_\_\_\_\_ for 40

12

A.B.C. 5th Edition

Telegraphic Address  
"Agri. Bangalore."

## DEPARTMENT OF AGRICULTURE.

MYSORE STATE.

No. Roc.500-Hc.157/36-37.

OFFICE OF THE DIRECTOR OF AGRICULTURE,

Bangalore, 13th Oct. 1936.

FROM

B. NARASIMHA IYENGAR, Esq., B.A., Ph.D.,

DIRECTOR OF AGRICULTURE IN MYSORE DEVELOPMENT BRANCH

BANGALORE.

SECRETARY  
2040  
17 OCT. 1936GENERAL SECRETARY  
15 OCT 1936  
SIEM. Venkatesa Iyengar, Esq., M.A.,  
General Secretary to the Government  
of His Highness the Maharaja of Mysore,  
Bangalore.

SECOND to

NO.

I have the honour to forward herewith the report  
of the Civil Veterinary Department for 1935-36 together with  
my remarks thereon.

Subd for perusal  
in the first instance

As there is scope to enlist the co-operation of the  
Civil Veterinary Department for improvement of live stock in  
the State, proposals are being formulated to bring about a  
closer co-ordination between the Civil Veterinary Department  
and the Live Stock Section of the Agricultural Department and  
will be submitted for orders of Government in due course.

Secy (member)

mu  
18/10/36  
20/10  
26/10

As the Civil Veterinary Department, Live Stock  
Section and the Serum Institute are all meant for the improve-  
ment and protection of live stock, a closer co-ordination of  
the working of the three institutions seems to be highly desirable.  
When the work has developed sufficiently it may even be desirable  
to constitute the three together into a separate unit under a  
duly qualified Veterinarian with training in Live Stock work also

Subd with a draft for approval

Issue

I have the honour to be,  
Sir,  
Your most obedient servant,

Director of Agriculture.



27.10.36

84  
13.10.36

# Administration Report of the Civil Veterinary Dept for 1935-36.

General and Revenue  
Secretariat

C. ✓ File No. 27

of 1936 .

[App. F. III-2

Serial No. 2

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GEN. SECRETARY

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22 DEC 1936  
GENL & REV. SECT.

GENERAL SECRETARY  
24 DEC. 1936  
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OFFICE OF THE  
SECOND MEMBER OF COUNCIL  
28 DEC. 1936  
NO - 4338

GENERAL SECRETARY  
2 - JAN. 1937

NOTE - Contn. Sheet.

D 3020 dt 3-11-36 To The Supt, Govt Printing  
forwards copy of report to be submit type  
and supply of copies after receipt of Govt review.

D 3021 dt 3-11-36 To Dir of Agri  
Copy for information.

Subd with a lower review for command  
for CB  
14/11  
Lipped draft  
17/12/36

For don't subd  
for CB  
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Please retype & put up  
for CB  
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22/12/36

Typed draft subd  
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Issue & Submit

Administration report year C.V.D.

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C.V. File No. 4241

891 to

of 1936

General and Revenue  
Secretariat

To Dir. of Agri.  
Hdqs. of Dept.  
D.C. of Dts etc

Serial  
No. 2

DEWAN'S OFFICE  
29 JAN 1937  
No. 2907

4556 - 4625

d/ 18-1-37

Records the administration report of  
the Civil veterinary dept for 1935-36.

3  
GENERAL SECRETARY  
26 JAN 1937  
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Sent with D.F.P. to D.S. for  
approval

See C.B.

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OFFICE OF  
SECOND MEMBER  
27 JAN 1937  
NO. 5247

See member)

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29.1.37

\* Final note  
Signed by Member  
29/1

(4)

**Final Note by the Second Member of Council.**

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**Subject :—**

Administration Report of the Civil Veterinary  
Department for the year 1935-36.

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I submit herewith for His Highness' gracious  
perusal, the administration <sup>x</sup>report of the Civil Veterinary  
Department for the year 1935-36 with the Government <sup>x</sup>review  
thereon.

Bangalore,  
28th January 1937.

*K. M. Shama Rao*  
MEMBER OF COUNCIL.

*Submitted to His Highness.* 5

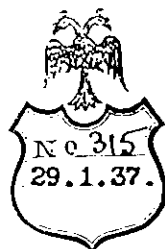
I submit herewith a Final Note by the Second Member of Council regarding the administration report of the Civil Veterinary Department for the year 1935-36 with the Government review thereon, for His Highness's gracious perusal.

Bangalore, )  
29th January 1937.)

*Mirza M. Ismail*  
DEWAN.

6

Record of Cases submitted for the Orders of  
His Highness the Maharaja.



Subject.

Administration report of the Civil  
Veterinary Department for the year 1935-36  
with the Government review thereon.

C. Secy  
M. 9  
31.1.37<sup>268</sup>  
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Order.  
~~KRAW~~  
30/1/37

20/11/35

SUBJECT:— Administration Report of the  
Civil Veterinary Department for the year  
1935-36 with the Govt review thereon.

(\*)

31. All urgent or confidential files returned with His Highness' orders may in the absence of instructions or indications to the contrary, be ordinarily circulated to the Members of Council for perusal after the issue of orders.

33. The Secretaries concerned should see that orders in the cases referred to above are issued at once and that the files are returned immediately after to the Chief Secretary for circulation to the Members.

34. In all other cases, the files will first be circulated to the Members of Council at Headquarters and then sent to the Secretariat concerned for the issue of orders.

Circulated to Members of Council for perusal of His Highness' orders before/after issue of orders. (Vide Rules 31, 33 and 34 of the Subsidiary Rules for the conduct of business of Council in the Manual of Council Rules and Procedure.)

*M. S. M. S.*

Chief Secretary to Government.

Through the Secretary to Government,

General Department.

*2/2*

FIRST MEMBER OF COUNCIL.

*3/2*

SECOND MEMBER OF COUNCIL. *See 2/2/35*  
*for. Secy with Compliments*

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*EXPLOPMENT BRANCH*

## Government of His Highness the Maharaja of Mysore.

GENERAL AND REVENUE DEPARTMENTS



*Administration Report*  
*Reviews the — of the C.V.D for the year 1935-36*

G. O. No. *D 4556-4625*  
*C.V. 27-36-3*

DATED *18th January 1937*

May this be

- i. printed ?
- ii. treated as a standing order ?
- iii. published in the Gazette English Part ?
- iv. translated ?
- v. placed at the disposal of the press ?
- iv. published in the Gazette Kannada Part ?

*43*

*Subd for rules*

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**GEN. & REV. SECRETARIAT**  
**3 MAR 1937**  
**DEVELOPMENT & A**

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ANNUAL ADMINISTRATION REPORT OF THE CIVIL VETERINARY  
DEPARTMENT FOR THE YEAR 1935-36

*WITH THE GOVERNMENT REVIEW THEREON.*

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# Government of his highness the Maharaja of Mysore.

## GENERAL AND REVENUE DEPARTMENTS.

G. O. No. D. 4556-4625—C. V. 27-36-3, dated the 5—18th January 1937.

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### Administration Report.

Reviews the — of the Civil Veterinary Department for the year 1935-36.

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#### READ—

Letter No. Roc. 500—Hc. 157—36-37, dated 13th October 1936, from the Director of Agriculture, submitting the Administration Report of the Civil Veterinary Department for the year 1935-36 with his review thereon.

ORDER No. D. 4556-4625—C. V. 27-36-3, DATED BANGALORE,  
THE 5—18TH JANUARY 1937.

Recorded.

M. VENKATESA IYENGAR,  
*Secretary to Government,  
General Department.*

To—The Director of Agriculture in Mysore.  
The Revenue Commissioner in Mysore.  
The Deputy Commissioners of Districts.  
The Presidents of District Boards.  
The President, Mysore City Municipality.  
The Municipal Commissioner, Bangalore City.  
The President, Sanitary Board, Kolar Gold Fields.  
The Heads of other Departments.

PRESS TABLE.

Exd.—C. K.

## REVIEW ON THE ANNUAL REPORT OF THE CIVIL VETERINARY DEPARTMENT FOR THE YEAR 1935-36.

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The decline in the outbreaks of Rinderpest among cattle in the State is a noteworthy point inasmuch as the number of outbreaks registered during the year is only 5 as against 25 during the previous year. The systematic campaign of inoculations since 1925 has largely contributed to the suppression of this disease to this appreciable extent and also to the fall in the number of inoculations under Goat Virus, Serum Simultaneous and Serum alone.

It is further observed that outbreaks under Anthrax, Haemorrhagic Septicaemia and Blackquarter are steadily on the decrease.

Twenty-four thousand, four hundred and thirty-one sheep were protected by vaccinations as against 4,645 sheep during the previous year. The usual propaganda of distributing printed pamphlets in Kannada containing important hints for prevention and treatment of these diseases, lecturing at Village Panchayet Conferences, and cattle fairs continued to be done by the staff. In this connection I strongly support the resolution passed by the Mysore Veterinary Medical Association at their recent meeting and point out that the employment of a whole time propaganda officer for the Department fully equipped with magic lantern and camera films will no doubt be a proper means to promote wide-spread knowledge among the raiyat population in dealing with several problems of improving live stock in the State.

Due to frequent inundations of pastures in canal areas and consequent favourable conditions for breeding of snails and other intermediary hosts, parasitic infestation of live stock was rife in some parts of the State. In addition to treatment of individual cases, spraying of pastures also has been undertaken in selected areas.

Diseases peculiar to poultry and to live stock in the malnad are receiving particular attention.

As a supplement to cattle disease Regulation II of 1927 proposals are before Government to introduce a system of Quarantine in order to prevent the spread of cattle diseases more effectively than at present.

Four new dispensaries were opened during the year, besides 64 institutions which already existed in the State.

The work in the Hospitals showed a decided increase. The fresh admissions rose from 2,37,128 to 2,83,603 and the total number of cases treated rose from 4,45,894 to 5,22,295. The institutions continued to be popular.

It is highly commendable to note that local bodies and philanthropic gentlemen are extending their co-operation with regard to starting of new dispensaries as well as constructing suitable additions and making alterations to existing buildings.

Dr. P. M. Narayanaswami Naidu has been specially entrusted with the research work relating to several diseases prevalent among cattle in the State and his progress in this direction is very satisfactory.

Mr. K. Ranganatha Rao as usual continued his work on John's disease and parasitic diseases among the cattle in the State.

The Scientific officers while co-operating with the District Staff in the diagnosis of diseases, have examined 458 disease specimens during the year.

The Department shows progressive improvement in all branches of its activities and the work of the Department is on the whole satisfactory.

B. NARASIMHA IYENGAR,  
*Director of Agriculture.*

## ANNUAL ADMINISTRATION REPORT OF THE CIVIL VETERINARY DEPARTMENT FOR THE YEAR 1935-36.

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I continued to be in charge of the Department during the year under report.

Messrs. B. V. Venkatachar, T. V. Manikraj and N. Krishniengar, Assistant Superintendents, were in charge of the Bangalore, Mysore and Shimoga Divisions, respectively, throughout the year.

Mr. C. K. Srinivasa Iyengar who was in charge of Tumkur Division, retired from service on 9th September 1935 and he was succeeded by Mr. R. M. Patankar, who continued in that Division for the rest of the official year, except for a month, when he was on privilege leave, when the Assistant Superintendent, Bangalore Division, looked after that Division also in addition to his own.

Mr. K. Ranganatha Rao, Assistant Superintendent, continued, to be in charge of the Research Work of the Department and also Johnes Disease Investigation Scheme financed by the Imperial Council of Agricultural Research.

Dr. P. M. Narayanaswami Naidu, who returned from the Continent after a study of about four years, was appointed as Assistant Superintendent with effect from 26th August 1935, and was entrusted with the work of investigation of some of the obscure diseases prevailing in the State.

Consequent on the inclusion of the Assistant Superintendent, Mysore Lancers, in regular cadre of the Department, as sanctioned in G. O. No. D. 5446-48—C. V. 68-35-6, dated 6th March 1936, Mr. N. R. Srinivasa Iyengar, Senior Veterinary Inspector, was appointed Assistant Superintendent, with effect from 6th September 1935, and was posted to the Military Department in place of Mr. R. M. Patankar.

### Seasonal Conditions.

Seasonal conditions were good in all parts of the State. Though no serious scarcity of fodder or water was felt in any part of the State, the adverse seasonal condition of the previous year is reported to have told on the normal health of Live Stock during the early part of the year under report.

### Contagious Diseases.

*Rinderpest.*—There were no outbreaks of Rinderpest requiring attention at the commencement of the year. Only 5 outbreaks were registered during the year as against 25 registered during the previous year. Of these only two were actual outbreaks, one in Sagar Taluk and the other in Chamarajnagar Taluk. In three other places of Kadur District, inoculations of animals against Rinderpest was conducted on mere suspicion by the local Veterinary Inspectors. The source of infection was traced to places outside the State. These outbreaks were attended to promptly and the disease was stamped out. The continued vigilance of the Departmental Officers coupled with the existence of immune belts and zones created by the continued campaigns of inoculations, since 1925, have contributed very largely for the suppression of the disease, without much economic loss to raiyats.

One thousand, four hundred and twenty-three Goat Virus alone inoculations, 288 Serum Simultaneous and 50 Serum alone inoculations were done in the year, as against 6,395, 1,365 and 121, respectively, of the previous year. Serum Simultaneous was resorted to occasionally during the year when dealing with pregnant or debilitated animals and the Serum alone exclusively among the incontacts.

In view of the negligible incidence of Rinderpest outbreaks and the satisfactory results from Goat Blood Virus alone inoculations, this was the method of choice in dealing with outbreaks of Rinderpest. Besides, this method having the

advantage of fixed reaction after inoculation, its ready availability for immediate field use and its being less cumbersome compared with the Spleen Tissue Vaccine emulsion, under field conditions. Goat Blood Virus alone was made use of in the field.

*Anthrax*.—Five outbreaks were pending attention at the commencement of the year and 1,309 were registered during the year as against 1,653 of the previous year. Four hundred and ninety-six of these outbreaks were attended to personally.

Nelamangala, Doddballapur, Kolar, and Chintamani of Bangalore Division were mostly affected by this disease. Eighteen thousand, eight hundred, and eighty-six animals were protected during the year under report, as against 16,265 of the previous year.

In Chellakere Taluk where Anthrax among sheep has become endemic in two villages, special investigation was undertaken during the year and an autogenous vaccine for protecting the sheep has been prepared and is under laboratory tests.

*Haemorrhagic Septicaemia*.—Eight outbreaks required further attention at the beginning of the year. Five hundred and forty-five fresh outbreaks were registered during the year as against 573 of the last year and 435 of these were attended to personally.

This disease broke out virulently in Devanahalli, Magadi, Bangalore, Malur, Srinivasapur, Sidlaghatta, Kolar and Chintamani of Bangalore Division, Chitaldrug, Davangere and Holalkere of Tumkur Division and Thirthahalli and Mudigere of Shimoga Division. The map attached to the report shows the badly affected areas.

*Black-quarter*.—There were seven outbreaks requiring attention at the commencement of the year. Seven hundred and fifty-nine were registered as against 1,208 of the previous year and 622 were attended to personally. The disease prevailed more severely in Mysore and Hassan Districts, while in Shimoga, the incidence was the lowest during the year.

The recrudescence of Black-quarter among the young stock of the Government Breeding Station, during the year, in spite of periodical protection with Black-quarter bacterin, is under active investigation by Dr. P. M. Narayanaswamy Naidu of the Scientific Section, with special reference to local conditions, soil, etc.

*Sheep-pox*.—With continued propaganda and demonstrations by the staff, raiyats are realising the importance of protection offered by timely vaccination against sheep-pox and are coming in larger numbers to have their sheep protected. This will be seen from the number of outbreaks of sheep-pox reported during the current year. As against thirty-four outbreaks of sheep-pox reported during the previous year, no less than one hundred and forty outbreaks, or nearly four times as many as that of the previous year, have been reported during the current year. With the odd report pending from the previous year, one hundred and forty-one outbreaks were attended to during the year under report, and 24,431 sheep were protected by vaccinations as against 4,645 sheep protected during the year previous.

#### Other Contagious Diseases.

Under this heading are grouped several diseases mainly Foot and Mouth disease among Cattle, and Parasitic Diarrhoea among cattle and sheep.

In addition to the distribution of printed pamphlets in Kannada, on the most important and deadly diseases among cattle with detailed instructions to the Patels, popular lectures at Village Panchayat Conferences, Cattle Fairs and such other public congregations, are being delivered by the staff. But still these items of propaganda alone will not improve matters to the desired extent, as the raiyat in the village continues to be ignorant and is not educated in the several problems of animal husbandry work. If the propaganda could be extended by means of magic lantern and cinema films for a more effective visual demonstration, explaining the prime need for the hygienic maintenance of Live Stock and adoption of prompt measures for the eradication of diseases, I believe that the losses from preventable diseases could be minimised to a very great extent and improvement of Live Stock effected at no distant date. In this connection, I may refer to the relevant resolution unanimously passed by the Mysore Veterinary Medical Association at their Eighth Annual Meeting to urge on Government the employment of a

whole time propaganda officer, for the Department, fully equipped with magic lantern and cinema films for the purpose.

At the commencement of the year twenty-five outbreaks were pending attention, as against fifteen of the previous year, and 4,353 outbreaks were registered during the year as against 3,922 during 1934-35. Of these 1,752 were attended to by the staff. In the remaining, written instructions were issued.

Foot and Mouth disease prevailed during the year, rather severely in Mysore and Tumkur districts and was reported to be mild in other parts of the State.

Parasitic infestation of Live Stock was rife in parts of the State, and was reported to be severe in the canal areas. Owing to intensive cultivation of sugarcane, most of the available pastures are taken up for cultivation and due to frequent inundations of the remaining pastures, water-logged areas full of weeds and rank vegetation, are formed. These areas surrounding the villages become favourable grounds for the breeding of snails and other intermediary hosts, as there is no drainage whatsoever for the stagnant water. During the year a few of the villages were marked out for dealing with the pastures, in addition to treatment of individual cases. The results will be watched for further extension of this work.

The heavy mortality among sheep in the previous years due to parasitic diarrhoea, has been reduced by a systematic programme of dosing undertaken by the staff, using copper sulphate.

With the importance of Poultry industry in the programme of rural reconstruction all over India and in the State, Poultry diseases were reported more promptly than in the previous years. Fowl pest and chicken pox prevailed rather severely in several parts of the State, and caused serious loss to this infant industry. The officers of the Scientific Section, have taken up some of the important diseases of Poultry for intensive work.

Some of the peculiar diseases of Live Stock especially in Malnad tracts require investigation and are being taken up. Until the etiology of the diseases are fully understood, only symptomatic treatment could be undertaken for these at present.

#### **Cattle Mortality.**

There has been a general decline in the mortality among the Live Stock in the State, during the year both under contagious and non-contagious causes.

Rinderpest which was once the serious scourge of cattle, was responsible for only 53 deaths during the year, compared with the mortality of 410 animals during the previous year. This has rendered the staff possible to attend to other diseases, and the mortality recorded under Black-quarter, Anthrax and Parasitic diseases also shows a decline from that of the previous year.

Although the mortality under non-contagious causes compared to that of the previous years, has shown a decline during the year, still it continues to be high and is due more to the ignorance and poverty of the villagers. Losses due to the ravages of wild animals were very high in Kadur and Shimoga Districts and can probably be remedied by a relaxation of rules for the issue of gun licenses to some of the villages surrounding forests.

The receipt of Cattle Mortality returns from Taluk Offices continues to be unsatisfactory and does not show much improvement, in spite of the annual reviews of Government. Unless and until the Revenue Officers in the Taluks take personal interest in the matter, consolidated annual Statements will not form an accurate basis for statistical purposes for all important matters on Animal Husbandry Work in the State.

#### **Cattle Disease Regulation II of 1927.**

During the year under report the rules under the Regulation were not enforced, as in the few villages Rinderpest broke out, people submitted all their cattle for inoculations and co-operated with the staff in restricting the movement of their cattle from straying into the adjacent villages.

However, it appears necessary to inaugurate quarantine stations at all important cattle routes in and out of the State, to effectively restrict diseases being introduced into the State. This is especially indicated during the six months in the year, when owing to the large cattle fairs in the State, cattle from outside are

brought in for sale or exchange. Besides, the establishment of these Stations will also conduce towards accurate statistics being collected on the large export cattle trade and Live Stock during this period, and assist in marketing and other development schemes.

The All-India Draft Regulations passed at the Animal Husbandry Wing of the Imperial Council of Agricultural Research have been submitted for consideration with necessary modifications, to suit local needs.

### Hospitals and Dispensaries.

At the beginning of the year there were sixty-four Veterinary Institutions in the State; and four more were opened during the year, at Chicknayakanahalli, Closepet, Maddur and Gudibanda making a total of sixty-eight Veterinary Institutions at the close of the year.

It will be evident from the map attached to this report, showing the distribution of these Institutions and the number of cattle each has to cater, that the number is still insufficient to come up to the recommendations of the Royal Commission on Agriculture. But with the Policy of Government of opening at least five Dispensaries annually, it is hoped, the State will in course of time, be fully manned, and the Live Stock Industry will be assured of efficient Veterinary Services.

Two lakhs, eighty-three thousand and six hundred and three fresh cases were admitted 5,22,295 cases treated, 23,222 animals castrated and 16,285 other operations were performed during the year in these Institutions as against 2,37,125; 4,45,894: 20,520 and 15,481 respectively, during the previous year. The Staff employed at some of the important Hospitals particularly at the District Headquarters, require to be augmented as the cases dealt with in these Hospitals have increased considerably compared with those of previous years. A proposal was submitted to strengthen the District Head-quarter Hospitals at least, by an additional Veterinary Inspector, but unfortunately this proposal was ordered to lie over.

All the Assistant Superintendents co-operated with the Veterinary Inspectors in the Hospital duties in their Divisional Head-quarters whenever they were at Head-quarters and advised treatment of complicated cases and performed some major operations also. This has increased the efficiency of these Institutions to some extent. Detailed Inspection of all the Veterinary Institutions were conducted by the respective Divisional Officers.

The ready manner with which local bodies and private philanthropic gentlemen are extending their co-operation in starting new dispensaries or in constructing suitable type design buildings for the treatment of animals, is commendable. This proves that the Agriculturists and stock owners are appreciating the services rendered by this Department more and more and is full of happy augury for the continued progress and improvement of Veterinary Services in the State.

The blocks of Veterinary Hospital buildings at the premier City of Bangalore, constructed last year by the benevolence of Messrs. Krishna Rao Sindhe and Borajanna, were augmented by the construction and donation of a canine surgery and a dog ward very generously by M. R. Ry. *Dharmaprasanna* Krishniengar and Mr. Hanumanthiah, respectively. These latter additions have been thrown open to the public.

Mrs. Byalekal Adamma and Mr. Puttaya fitted up water taps free of cost.

Mr. Nagaratnam endowed the building with Sanitary fittings.

I should not omit to refer here to the valuable services of Mr. C. V. Govinda Rao, Veterinary Inspector, Bangalore, for his personal zeal in prevailing upon the several donors for the construction of these buildings, at a very great self-sacrifice.

The Dispensary building partly endowed by Mr. Krishna Rao at Arasikere was completed during the year and is occupied since. An Administrative Block donated by Mr. Gojjanur Channappa and a Cattle Ward donated by Mr. Hadathre Halappa Gowda at Sagar are under construction. Mr. Garudachar, Advocate of Shimoga, has donated all the three blocks of the Veterinary Hospital as per type-design, at Shimoga and this has since been opened by the Dewan in charge. Mr. Shiva Rao, Advo-

cate at Chikmagalur has undertaken the construction of the Hospital Blocks at Chikmagalur. Sowcar Sharabanna of Attibele has deposited a sum of Rs. 2,500 as his quota for the construction of type-design buildings at Anekal. The Dispensary building partly donated by Sowcar Bhupalam Nanjundappa at Hosadurga is completed. The donated building at Gubbi is being erected. Mr. Sanjeevappa, sahukar and landlord of Chilakalnerpu, has promised to erect a type-design building at Chintamani at a cost of Rs. 3,000 for the Veterinary Dispensary. The Dispensary built by Mr. Siddegowda at Magadi was opened by *Amin-ul-mulk* Sir Mirza M. Ismail, kt., C.I.E., Dewan of Mysore, on 20th November 1935 and thrown open to the public.

Though philanthropic gentlemen are not slow in extending their help to the dumb animals in this way, yet there are places where such Institutions cannot be constructed entirely out of donated funds. If the Government could come forward to bear at least half the quota of construction and provide sufficient funds annually for the construction of five Dispensary buildings in such of the places where it is not possible to secure rich and philanthropic persons, the other half could be obtained by the local bodies and philanthropic gentlemen.

#### Itineration.

In addition to the preventive inoculations undertaken as indicated under the respective contagious diseases, the Veterinary officers have treated 1,06,106 cases, operated on 1,561 cases, castrated 58,264 animals in villages as against 75,362 cases treated, 1,638 operations performed and 58,383 castrations done during the previous year. Systematic tours are ordered to be undertaken only in connection with the attendance of outbreaks of contagious diseases in order to keep within the budget grants under Travelling Allowance.

With a view to establish a closer supervision, timely advice and guidance, a proposal has been submitted for the appointment of District Veterinary Officers as the present charge of Division is too unwieldy for the purpose.

#### Cattle Fairs.

One hundred and thirteen Cattle Fairs were held during the year as against 103 of the previous year. Temporary Veterinary Dispensaries were opened in 112 of these fairs and cattle breeders were enlightened regarding the importance of scientific breeding and rearing of Live Stock and timely inoculations against preventable diseases. Maintenance of pedigree bulls suitable to the locality, castration of scrub bulls, were also stressed at these meetings. However, it seems to be very necessary to have a Regulation for the improvement of Live Stock.

Necessary temporary sheds were provided by the authorities concerned at these fairs for the purpose of locating Dispensaries and these were not quite suitable in many cases. If a scheme of putting up a type-design small field Dispensary in the centre of the Cattle Fair, is adopted by the authorities convening the Cattle Fair, it will serve a very useful purpose. By the vigilance of Veterinary Officers and timely segregation of suspected animals, the infection from these fairs was effectively controlled.

#### Rural Veterinary Aid.

A few of the Village Panchayats in the State are employing castration demonstrators for a small group of villages, but the number is far too small, and is inadequate. The response to the circular appeal to the Amildars in the State for employment of trained men by Village Panchayats, has not been very encouraging during the year. The work of castration of scrub animals especially by the use of Burdizzo Castrator, is very simple and an ordinary raiyat can easily handle the instrument without any risk to the animal. It is the idea of this Department to transfer this branch of work eventually to the raiyats themselves by training one or two in each village so that the unwanted bulls might be emasculated in time, as the few on the Departmental staff in the area will not be able to visit all the villages and attend to this work in time.

There has however been a persistent demand for opening more Dispensaries in rural areas, and some of the Municipalities have even indicated their readiness to contribute their quota of expenditure. The District Boards are being requested to examine how far they could meet the needs of the rural areas.

### **Jutka Ponies.**

In view of mechanisation of transport there has been a decrease in Jutka Ponies plying for hire. However, the half-yearly inspection of the ponies plying for public services were conducted as usual. All the District Superintendents of Police have kindly co-operated in preventing the use of condemned ponies unless certified fit by Veterinary authorities. They have also issued strict instructions for the prevention of cruelty to animals.

### **Meat Inspection.**

Some of the Municipalities have been utilising the services of Veterinarians to ensure quality of meat sold to citizens. A plan for a model abattoir is under preparation. There has not been a uniform procedure prescribed for passing meat supplied for public consumption and it is found to vary in different Municipalities. In order to ensure better service in this behalf, the model set of rules drawn up by the Special Committee of the Imperial Council of Agricultural Research has been recommended for adoption in the State, with such modifications as may be required to suit local conditions.

### **Scientific Section.**

Subsequent to the appointment of Dr. P. M. Narayanaswami Naidu as Assistant Superintendent for Research Work, on his return after completion of his training in Bacteriology, Serology and on animal diseases for nearly four years in foreign countries, the work of this Section which was being carried out by Mr. K. Ranganatha Rao single-handed all these years, was divided between the two officers enabling them to concentrate more attention on the several disease problems undertaken by them. The necessity to provide these officers with a small separate establishment to assist them both in field and laboratory work, has been very keenly felt and proposals are being submitted in the matter.

During the year Mr. K. Ranganatha Rao continued his work on John's Disease among cattle and parasitic diseases among the Live Stock in the State.

Under John's Disease Investigation, the preparation of Johnin and avian-tuberculin were completed, and these were compared with the English Johnin, and the American product having been received at the end of the year, the comparative tests will be undertaken during the coming year. The intended survey for the study of the incidence of the disease in Bangalore City was also begun. The experimental herd built up for the systematic study of the disease having shown evidence of infection, arrangements are being made to start treatment with Ol. Chaulmoogra and its derivatives. An initial supply of the medicine has since been obtained from the Madras Medical Stores, as suggested by the Imperial Council of Agricultural Research.

Under Parasitic Diseases among Live Stock, all the Government flocks have been regularly dosed for parasites, under the agency of the local Veterinary Inspectors. It is learnt that the sheep at Hebbal Farm did not come to heat during the year. Whether this has anything to do with the periodical dosing and if this result is noticed in other flocks also in which dosing was undertaken regularly, is being investigated.

The experimental work of treating pastures and grazing lands notorious for distomiasis and other parasitic diseases undertaken last year, was further extended during the year and about 350 acres of infected grazing land were treated in the canal area round about the Government Agricultural Farm in Mandya Taluk where annual losses to cattle owners from parasitic diarrhoea called karlu and schistosomiasis were reported to be very severe. It is proposed to undertake more intensive work in this area during the coming years simultaneously with medicinal treatment of clinically affected animals.

During the year Mr. K. Ranganatha Rao undertook field experiments with Burma Spore Vaccine against Anthrax among cattle in Alsipur village of Tumkur Taluk and has protected all the young stock of the Imperial Dairy Farm against Rinderpest using Goat Blood Virus alone, as per annual programme.

He has tested 388 horses of the Mysore Lancers for evidence of glanders. Also he investigated into an outbreak of infectious leukemia among poultry in the Mission Training School and protected 1,000 fowls against Fowl-pox in Krishnarajapuram, Kolar and Bangalore with the Muktesar vaccine during the year.

He prepared 5,200 c.c. of urine Hormone for distribution in Tumkur, Holalkere, Arsikere and Bangalore areas, and Rayankere Dairy Farm for treatment of sterility among cows and bulls. Nearly 40 per cent of the treated animals were reported to have improved.

He was deputed to attend the Veterinary Research Officers' Conference at New Delhi and opened the subject of control of Tuberculosis among Cattle in India.

The stock verification of my office was also done by him.

Dr. P. M. Narayanaswamy Naidu has undertaken Research Work on the following diseases of Live Stock in the State :—

- (a) Polypoid growths in the nasal sinuses of cattle in the Palace Dairy Farm at Rayankere
- (b) Peculiar gastro-enteritis among cattle in the Malnad parts
- (c) Virus diseases of poultry
- (d) Black-quarter in the Cattle-breeding Station at Ajjampur and
- (e) Anthrax among sheep in Challakere Taluk.

It is gratifying to state that the Palace authorities have given full opportunities for the study of the peculiar polypoid growths in the nasal passages among the cows at the Rayankere Dairy Farm and are also handing over to the Department all suffering cows for a detailed study of the disease at the Laboratory at Hebbal. Dr. P. M. Narayanaswami Naidu has made searching biological tests and has eliminated bacterial, fungoid and blood flukes, having any etiological significance. Whether a virus is responsible for such growths is under study, before taking up nutritional and endocrine disturbances being the cause.

The only outbreak of the peculiar gastro-enteritis reported from Sagar Taluk during the year, was investigated on the spot and essential data and material from ailing cases for a detailed study at the Laboratory have been collected with a view to work out the etiology of the disease.

He has also undertaken a detailed study of Doyle's disease and Fowl pest among the poultry, the two serious disease conditions responsible for heavy losses to the poultry industry in the State and an important item in all rural reconstruction schemes and is also engaged in the manufacture of a reliable vaccine against Fowl-pox.

He has also been investigating the cause of the recurrence of Black-quarter among the young stock of the Government Breeding Station at Ajjampur within the period of immunity, and has collected sufficient data to prepare a suitable vaccine as soon as the special facilities required for the work are provided.

He has prepared during the year a special autogenous vaccine for the protection of Sheep against Anthrax in Challakere Taluk, where the disease has become endemic and affects only sheep. The product is under laboratory tests before issue to the field.

During the year the two officers have co-operated with the Veterinary Officers of the Forest, Palace and Military Departments in all technical matters.

Four hundred and fifty-eight specimens were examined during the year and treatment was advised wherever necessary.

|                        |     | <i>Positive.</i> | <i>Negative.</i> |
|------------------------|-----|------------------|------------------|
| Actinomycosis          | ... | 4                | 3                |
| Anthrax                | ... | 31               | 26               |
| Black-quarter          | ... | 13               | 5                |
| Bovine lymphangitis    | ... | 1                | 1                |
| Coccidiosis            | ... | 5                | 2                |
| Fowl Cholera           | ... | 2                | 4                |
| Johne's Disease        | ... | 7                | 4                |
| Hæmorrhagic septicæmia | ... | 13               | 30               |
| Miscellaneous          | ... | 41               | 50               |
| Piroplasmosis          | ... | 35               | 1                |
| Rabies                 | ... | 2                | 3                |
| Skin Diseases          | ... | 9                | 1                |
| Trypanosomiasis        | ... | 7                | 7                |
| Tuberculosis           | ... | 3                | 2                |
| Worms                  | ... | 75               | 22               |
| Urine                  | ... | 19               | ...              |

*Programme of work of this Section of the Department for the year 1936-37.*

Continuation of the work on Johne's Disease Investigation as per approved technical programme under the Imperial Council of Agricultural Research Funds.

Further extension of the Work on parasitosis among cattle and sheep with particular reference to the treatment of pastures on approved area plan.

Investigation into diseases of fowls, *viz.*, Doyle's disease, Fowl pest and Chicken-pox and preparation of suitable remedies.

Investigation on the cause of the absence of oestrus among the sheep at Hebbal.

Further investigation into the peculiar gastro-enteritis among the cattle in Malnad and Polypoid growths in the upper respiratory passages of cattle in the Palace Dairy Farm.

Sterility among cows.

Field tests with Chellakere Vaccine and anaerobic diseases of Live Stock in the State.

**General.**

It will be seen from what is stated above that there has been an all-round increase in the services rendered to the ryots by the Department as compared with the previous year.

The Stock held in all the Institutions as well as in all subordinate offices were duly checked with Stock Registers.

The Eighth Annual Conference of Mysore Veterinary Medical Association was held at Bangalore in the month of June. Sir Charles Todhunter opened the Conference and Major Marriott delivered the inaugural address. Almost all the Veterinary officers in the State attended the Conference and took part in the deliberations, in spite of no travelling or other allowances being sanctioned to them.

My thanks are due to the Presidents of all the District Boards, and Municipal Councils, for their hearty co-operation in the work of the Department. I am thankful to all the Deputy Commissioners who have taken keen interest in readily extending help to the Department whenever needed and to Messrs. T. Abdul Khader and S. Narayana Rao, Deputy Commissioners of Tumkur and Shimoga Districts; I am grateful for their personal interest in the activities of the Department.

In conclusion, I am glad to state that the gazetted and non-gazetted officers of the Department as well as the office staff, have heartily co-operated with me in the work of the Department.

K. KRISHNIENGAR,

*Superintendent,*

*Civil Veterinary Department.*

## APPENDIX A.

Statement showing the work done in the Civil Veterinary Department  
during the year 1935-36.

| Sl. No.                                                                | Particulars                                                                                                        | Number                                                                                                                                                                                                                                                        |                        |        |                                             |        |                                                                        |        |                             |   |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------|---------------------------------------------|--------|------------------------------------------------------------------------|--------|-----------------------------|---|
| 1                                                                      | Number of fresh cases admitted to the Institutions                                                                 | 283,603                                                                                                                                                                                                                                                       |                        |        |                                             |        |                                                                        |        |                             |   |
| 2                                                                      | Total of daily attendance for the year                                                                             | 522,295                                                                                                                                                                                                                                                       |                        |        |                                             |        |                                                                        |        |                             |   |
| 3                                                                      | Number of castrations performed in the Institutions                                                                | 23,222                                                                                                                                                                                                                                                        |                        |        |                                             |        |                                                                        |        |                             |   |
| 4                                                                      | Number of surgical operations performed in the Institutions                                                        | 16,285                                                                                                                                                                                                                                                        |                        |        |                                             |        |                                                                        |        |                             |   |
| 5                                                                      | Number of villages visited                                                                                         | 16,481                                                                                                                                                                                                                                                        |                        |        |                                             |        |                                                                        |        |                             |   |
| 6                                                                      | Number of cases treated on tour                                                                                    | 106,106                                                                                                                                                                                                                                                       |                        |        |                                             |        |                                                                        |        |                             |   |
| 7                                                                      | Total number of castrations performed outside headquarters including the work of castration demonstrators, if any. | <table><tr><td>Bulls</td><td>32,534</td></tr><tr><td>Sheep and Goats</td><td>24,920</td></tr><tr><td>Others</td><td>810</td></tr></table>                                                                                                                     | Bulls                  | 32,534 | Sheep and Goats                             | 24,920 | Others                                                                 | 810    |                             |   |
| Bulls                                                                  | 32,534                                                                                                             |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| Sheep and Goats                                                        | 24,920                                                                                                             |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| Others                                                                 | 810                                                                                                                |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| 8                                                                      | Number of surgical operations performed on tour                                                                    | 1,561                                                                                                                                                                                                                                                         |                        |        |                                             |        |                                                                        |        |                             |   |
| 9                                                                      | Number of outbreaks of Rinderpest pending further attention on 1st July 1935.                                      | ...                                                                                                                                                                                                                                                           |                        |        |                                             |        |                                                                        |        |                             |   |
| 10                                                                     | Number of outbreaks of Rinderpest registered during 1935-36                                                        | 5                                                                                                                                                                                                                                                             |                        |        |                                             |        |                                                                        |        |                             |   |
| 11                                                                     | Number of outbreaks of Rinderpest attended to during 1935-36                                                       | 5                                                                                                                                                                                                                                                             |                        |        |                                             |        |                                                                        |        |                             |   |
| 12                                                                     | Number of outbreaks of Anthrax pending on 1st July 1935                                                            | 5                                                                                                                                                                                                                                                             |                        |        |                                             |        |                                                                        |        |                             |   |
| 13                                                                     | Do do registered during 1935-36                                                                                    | 1,309                                                                                                                                                                                                                                                         |                        |        |                                             |        |                                                                        |        |                             |   |
| 14                                                                     | Do Anthrax attended during 1935-36                                                                                 | <table><tr><td>(a) Personally</td><td>496</td></tr><tr><td>(b) By written instructions</td><td>812</td></tr><tr><td>(c) By writing off for want of supply of inoculation material in time.</td><td>...</td></tr></table>                                      | (a) Personally         | 496    | (b) By written instructions                 | 812    | (c) By writing off for want of supply of inoculation material in time. | ...    |                             |   |
| (a) Personally                                                         | 496                                                                                                                |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| (b) By written instructions                                            | 812                                                                                                                |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| (c) By writing off for want of supply of inoculation material in time. | ...                                                                                                                |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| 15                                                                     | Number of outbreaks of H. S. pending on 1st July 1935                                                              | 8                                                                                                                                                                                                                                                             |                        |        |                                             |        |                                                                        |        |                             |   |
| 16                                                                     | Do do registered during 1935-36                                                                                    | 515                                                                                                                                                                                                                                                           |                        |        |                                             |        |                                                                        |        |                             |   |
| 17                                                                     | Do H. S. attended to during 1935-36                                                                                | <table><tr><td>(a) Personally</td><td>435</td></tr><tr><td>(b) By written instructions</td><td>112</td></tr></table>                                                                                                                                          | (a) Personally         | 435    | (b) By written instructions                 | 112    |                                                                        |        |                             |   |
| (a) Personally                                                         | 435                                                                                                                |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| (b) By written instructions                                            | 112                                                                                                                |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| 18                                                                     | Number of outbreaks of Black-quarter pending on 1st July 1935                                                      | 7                                                                                                                                                                                                                                                             |                        |        |                                             |        |                                                                        |        |                             |   |
| 19                                                                     | Do do registered during 1935-36                                                                                    | 759                                                                                                                                                                                                                                                           |                        |        |                                             |        |                                                                        |        |                             |   |
| 20                                                                     | Do Black-quarter attended during 1935-36                                                                           | <table><tr><td>(a) Personally</td><td>322</td></tr><tr><td>(b) Could not be attended for want of time.</td><td>76</td></tr><tr><td>(c) No. cancelled after V. I.'s visit.</td><td>50</td></tr><tr><td>(d) By written Instructions</td><td>4</td></tr></table> | (a) Personally         | 322    | (b) Could not be attended for want of time. | 76     | (c) No. cancelled after V. I.'s visit.                                 | 50     | (d) By written Instructions | 4 |
| (a) Personally                                                         | 322                                                                                                                |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| (b) Could not be attended for want of time.                            | 76                                                                                                                 |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| (c) No. cancelled after V. I.'s visit.                                 | 50                                                                                                                 |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| (d) By written Instructions                                            | 4                                                                                                                  |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| 21                                                                     | Number of outbreaks of sheep-pox pending on 1st July 1935                                                          | 1                                                                                                                                                                                                                                                             |                        |        |                                             |        |                                                                        |        |                             |   |
| 22                                                                     | Do do registered during 1935-36                                                                                    | 140                                                                                                                                                                                                                                                           |                        |        |                                             |        |                                                                        |        |                             |   |
| 23                                                                     | Do do attended to during 1935-36                                                                                   | 138                                                                                                                                                                                                                                                           |                        |        |                                             |        |                                                                        |        |                             |   |
| 24                                                                     | Number of outbreaks of all other contagious diseases pending on 1st July 1935.                                     | 25                                                                                                                                                                                                                                                            |                        |        |                                             |        |                                                                        |        |                             |   |
| 25                                                                     | Do do registered during 1935-36                                                                                    | 4,353                                                                                                                                                                                                                                                         |                        |        |                                             |        |                                                                        |        |                             |   |
| 26                                                                     | Number of outbreaks of all other contagious diseases attended to during 1935-36.                                   | <table><tr><td>(a) Personally</td><td>1,752</td></tr><tr><td>(b) By written instructions</td><td>2,609</td></tr></table>                                                                                                                                      | (a) Personally         | 1,752  | (b) By written instructions                 | 2,609  |                                                                        |        |                             |   |
| (a) Personally                                                         | 1,752                                                                                                              |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| (b) By written instructions                                            | 2,609                                                                                                              |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| 27                                                                     | Total number of outbreaks detected                                                                                 | <table><tr><td>(a) Personally on tour</td><td>717</td></tr><tr><td>(b) C. M. R. in Taluk Office.</td><td>3,604</td></tr></table>                                                                                                                              | (a) Personally on tour | 717    | (b) C. M. R. in Taluk Office.               | 3,604  |                                                                        |        |                             |   |
| (a) Personally on tour                                                 | 717                                                                                                                |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| (b) C. M. R. in Taluk Office.                                          | 3,604                                                                                                              |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| 28                                                                     | Total number of outbreaks that were reported through                                                               | <table><tr><td>(a) C. V. D. 10-B</td><td>1,408</td></tr><tr><td>(b) C. V. D. 10-C</td><td>532</td></tr><tr><td>(c) From other source.</td><td>850</td></tr></table>                                                                                           | (a) C. V. D. 10-B      | 1,408  | (b) C. V. D. 10-C                           | 532    | (c) From other source.                                                 | 850    |                             |   |
| (a) C. V. D. 10-B                                                      | 1,408                                                                                                              |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| (b) C. V. D. 10-C                                                      | 532                                                                                                                |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| (c) From other source.                                                 | 850                                                                                                                |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| 29                                                                     | Number of inoculations performed against Rinderpest                                                                | <table><tr><td>(a) S. S. Method</td><td>288</td></tr><tr><td>(b) S. A. Method</td><td>50</td></tr><tr><td>(c) Goat Virus alone</td><td>1,423</td></tr></table>                                                                                                | (a) S. S. Method       | 288    | (b) S. A. Method                            | 50     | (c) Goat Virus alone                                                   | 1,423  |                             |   |
| (a) S. S. Method                                                       | 288                                                                                                                |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| (b) S. A. Method                                                       | 50                                                                                                                 |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| (c) Goat Virus alone                                                   | 1,423                                                                                                              |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| 30                                                                     | Number of inoculations performed against Anthrax                                                                   | 18,886                                                                                                                                                                                                                                                        |                        |        |                                             |        |                                                                        |        |                             |   |
| 31                                                                     | Do do Black-quarter                                                                                                | <table><tr><td>(a) By Filtrate B. Q.</td><td>911</td></tr><tr><td>(b) By Filtrate and Serum</td><td>596</td></tr><tr><td>(c) By Bacterin</td><td>48,925</td></tr></table>                                                                                     | (a) By Filtrate B. Q.  | 911    | (b) By Filtrate and Serum                   | 596    | (c) By Bacterin                                                        | 48,925 |                             |   |
| (a) By Filtrate B. Q.                                                  | 911                                                                                                                |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| (b) By Filtrate and Serum                                              | 596                                                                                                                |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| (c) By Bacterin                                                        | 48,925                                                                                                             |                                                                                                                                                                                                                                                               |                        |        |                                             |        |                                                                        |        |                             |   |
| 32                                                                     | Do Vaccinations performed against Sheep-pox                                                                        | 24,431                                                                                                                                                                                                                                                        |                        |        |                                             |        |                                                                        |        |                             |   |
| 33                                                                     | Do inoculations performed against Haemorrhagic Septicæmia                                                          | 47,132                                                                                                                                                                                                                                                        |                        |        |                                             |        |                                                                        |        |                             |   |
| 34                                                                     | Do Cattle Fairs held in the area during 1935-36                                                                    | 113                                                                                                                                                                                                                                                           |                        |        |                                             |        |                                                                        |        |                             |   |
| 35                                                                     | Do do attended by the Veterinary Inspector                                                                         | 112                                                                                                                                                                                                                                                           |                        |        |                                             |        |                                                                        |        |                             |   |
| 36                                                                     | Do do Village Panchayat Conferences held                                                                           | 13                                                                                                                                                                                                                                                            |                        |        |                                             |        |                                                                        |        |                             |   |
| 37                                                                     | Do do do attended                                                                                                  | 12                                                                                                                                                                                                                                                            |                        |        |                                             |        |                                                                        |        |                             |   |

APPENDIX B.—Statement showing the number of outbreaks of Epidemic Cattle Diseases attended to in the Mysore State during the year 1935-36.

| Sl. No.           | District       | Number of Institutions | Rinderpest | Anthrax | Haem. Sept. | Black Quarter | Sheep Pox | Other contagious Diseases | Total for 1935-36 | Total for 1934-35 |
|-------------------|----------------|------------------------|------------|---------|-------------|---------------|-----------|---------------------------|-------------------|-------------------|
| 1                 | Bangalore ...  | 10                     | ...        | 189     | 64          | 171           | 45        | 691                       | 1,160             | 1,016             |
| 2                 | Kolar ...      | 9                      | ...        | 189     | 49          | 64            | 31        | 409                       | 742               | 885               |
| 3                 | Mysore ...     | 12                     | 1          | 346     | 94          | 164           | 3         | 946                       | 1,554             | 1,312             |
| 4                 | Hassan ...     | 7                      | ...        | 30      | 105         | 146           | 6         | 850                       | 1,187             | 952               |
| 5                 | Kadur ...      | 6                      | 3          | 18      | 46          | 13            | ...       | 307                       | 367               | 421               |
| 6                 | Shimoga ...    | 8                      | 1          | 255     | 47          | 26            | ...       | 353                       | 682               | 1,165             |
| 7                 | Tumkur ...     | 8                      | ...        | 186     | 25          | 111           | 34        | 567                       | 873               | 894               |
| 8                 | Chitaldrug ... | 8                      | ...        | 145     | 117         | 57            | 19        | 241                       | 579               | 777               |
| Total for 1935-36 |                | ...                    | 5          | 1,308   | 547         | 752           | 138       | 4,364                     | 7,114             | ...               |
| Total for 1934-35 |                | ...                    | 25         | 1,651   | 671         | 1,227         | 33        | 3,915                     | ...               | 7,422             |

APPENDIX C.—Statement showing the number of inoculations done against Epidemic Diseases in the State during the year 1935-36.

| Sl. No.           | District       | No. of Institutions | Rinderpest |       |       | Black Qtr. | Haem. Sept. | Anthrax | Sheep Pox | Fowl Chol. | Total for 1935-36 | Total for 1934-35 |
|-------------------|----------------|---------------------|------------|-------|-------|------------|-------------|---------|-----------|------------|-------------------|-------------------|
|                   |                |                     | G. V.      | S. S. | S. A. |            |             |         |           |            |                   |                   |
| 1                 | Bangalore ...  | 10                  | ...        | ...   | ...   | 14,811     | 6,195       | 5,420   | 3,847     | 129        | 29,902            | 27,727            |
| 2                 | Kolar ...      | 9                   | ...        | ...   | ...   | 2,085      | 2,261       | 3,351   | 5,066     | ...        | 12,783            | 19,298            |
| 3                 | Mysore ...     | 12                  | 512        | 107   | ...   | 11,452     | 515         | 1,563   | 693       | 91         | 11,938            | 15,468            |
| 4                 | Hassan ...     | 7                   | ...        | ...   | ...   | 8,486      | 10,035      | 355     | 1,177     | 12         | 20,035            | 5,991             |
| 5                 | Kadur ...      | 6                   | 470        | ...   | 59    | 179        | 4,196       | 55      | ...       | 428        | 5,378             | 5,502             |
| 6                 | Shimoga ...    | 8                   | 441        | 181   | ...   | 199        | 6,455       | 2,312   | ...       | ...        | 9,588             | 12,502            |
| 7                 | Tumkur ...     | 8                   | ...        | ...   | ...   | 9,034      | 51          | 2,813   | 7,691     | 60         | 19,649            | 29,871            |
| 8                 | Chitaldrug ... | 8                   | ...        | ...   | ...   | 4,656      | 17,404      | 3,017   | 5,937     | ...        | 31,044            | 27,858            |
| Total for 1935-36 |                | ...                 | 1,423      | 288   | 50    | 50,432     | 47,132      | 18,886  | 24,431    | 720        | 1,43,362          | ...               |
| Total for 1934-35 |                | ...                 | 6,995      | 1,366 | 121   | 78,247     | 37,178      | 16,265  | 4,645     | ...        | ...               | 1,44,217          |

APPENDIX D.—Statement showing the work done in each Veterinary Institution in the State during the year 1935-36.

| Sl. No.           | District       | Number of Institutions | Fresh cases admitted | Total cases attended | Castrations performed |                 |        | Number of other operations |
|-------------------|----------------|------------------------|----------------------|----------------------|-----------------------|-----------------|--------|----------------------------|
|                   |                |                        |                      |                      | Bulls                 | Sheep and Goats | Others |                            |
| 1                 | Bangalore ...  | 10                     | 43,745               | 84,353               | 1,721                 | 1,266           | 17     | 3,652                      |
| 2                 | Kolar ...      | 9                      | 26,556               | 54,856               | 1,716                 | 703             | 25     | 2,222                      |
| 3                 | Mysore ...     | 12                     | 49,002               | 102,669              | 1,459                 | 1,153           | 23     | 3,023                      |
| 4                 | Hassan ...     | 7                      | 46,164               | 71,009               | 2,497                 | 430             | 4      | 1,424                      |
| 5                 | Kadur ...      | 6                      | 21,483               | 43,279               | 693                   | 127             | 107    | 719                        |
| 6                 | Shimoga ...    | 8                      | 32,094               | 56,958               | 865                   | 165             | 41     | 1,347                      |
| 7                 | Tumkur ...     | 8                      | 40,224               | 61,910               | 5,445                 | 1,802           | 45     | 2,591                      |
| 8                 | Chitaldrug ... | 8                      | 21,835               | 44,251               | 2,311                 | 523             | 78     | 1,307                      |
| Total for 1935-36 |                | ...                    | 233,603              | 522,295              | 16,707                | 6,174           | 341    | 16,265                     |
| Total for 1934-35 |                | ...                    | 237,125              | 445,894              | 14,355                | 5,982           | 183    | 15,481                     |

APPENDIX E.—Statement showing the work done on tour by Veterinary Officers in the State for the year 1935-36.

| Sl. No.           | District       | No. of Institutions | No. of cases treated | Castrations done on tour |                 |        | Operations done on tour | Cattle Fairs attended | Village Panchayet Conference attended |
|-------------------|----------------|---------------------|----------------------|--------------------------|-----------------|--------|-------------------------|-----------------------|---------------------------------------|
|                   |                |                     |                      | Cattle                   | Sheep and Goats | Others |                         |                       |                                       |
| 1                 | Bangalore ...  | 10                  | 17,106               | 2,619                    | 3,393           | 8      | 301                     | 27                    | 4                                     |
| 2                 | Kolar ...      | 9                   | 9,771                | 8,021                    | 3,685           | 5      | 271                     | 27                    | 3                                     |
| 3                 | Mysore ...     | 12                  | 22,174               | 4,718                    | 3,681           | 47     | 187                     | 15                    | ...                                   |
| 4                 | Hassan ...     | 7                   | 15,140               | 2,685                    | 4,518           | 2      | 65                      | 8                     | 3                                     |
| 5                 | Kadur ...      | 6                   | 10,131               | 3,671                    | 483             | 587    | 215                     | 2                     | 1                                     |
| 6                 | Shimoga ...    | 8                   | 10,189               | 3,757                    | 265             | 163    | 108                     | 6                     | 2                                     |
| 7                 | Tumkur ...     | 8                   | 11,765               | 6,115                    | 5,334           | 89     | 76                      | 21                    | ...                                   |
| 8                 | Chitaldrug ... | 8                   | 9,830                | 5,948                    | 3,561           | 19     | 348                     | 6                     | ...                                   |
| Total for 1935-36 |                | ...                 | 106,106              | 32,534                   | 24,920          | 810    | 1,561                   | 112                   | 12                                    |
| Total for 1934-35 |                | ...                 | 75,362               | 34,613                   | 23,675          | 195    | 1,638                   | 103                   | 7                                     |

APPENDIX F.—Statement showing the Cattle Mortality in the State from contagious diseases, during the year 1935-36.

| District              | Rinderpest | Hæmorrhagic Septicæmia | Anthrax | Black-quarter | Foot and Mouth | Surra | Red-water | Parasitic diarrhoea | Other contagious diseases | Total  |
|-----------------------|------------|------------------------|---------|---------------|----------------|-------|-----------|---------------------|---------------------------|--------|
| 1. Bangaloro ...      | ...        | 228                    | 318     | 369           | 65             | 1     | ...       | 234                 | 312                       | 1,558  |
| 2. Kolar ...          | ...        | 203                    | 366     | 119           | 76             | 1     | 8         | 123                 | 488                       | 1,384  |
| 3. Mysore ...         | 11         | 115                    | 441     | 374           | 278            | 1     | 6         | 720                 | 156                       | 2,105  |
| 4. Hassan ...         | ...        | 359                    | 42      | 372           | 279            | ...   | 5         | 313                 | 108                       | 1,478  |
| 5. Tumkur ...         | ...        | 27                     | 274     | 251           | 93             | ...   | 7         | 192                 | 536                       | 1,380  |
| 6. Chitaldrug ...     | ...        | 774                    | 240     | 138           | 83             | ...   | ...       | 75                  | 764                       | 2,074  |
| 7. Shimoga ...        | 42         | 117                    | 331     | 37            | 174            | ...   | 1         | 230                 | 143                       | 1,075  |
| 8. Kadur ...          | ...        | 112                    | 26      | 17            | 126            | ...   | ...       | 73                  | 159                       | 513    |
| Total for 1935-36 ... | 53         | 1,935                  | 2,041   | 1,677         | 1,175          | 3     | 27        | 1,960               | 2,696                     | 11,567 |
| Total for 1934-35 ... | 410        | 1,533                  | 2,795   | 3,499         | 2,071          | 4     | 7         | 2,835               | 2,142                     | 15,296 |

APPENDIX G.—Statement showing the percentage of Cattle Mortality Returns received from the Patels, during the year 1935-36.

| Serial No. | Name of district | Percentage of Returns received from the Patels | Remarks                                                                                           |
|------------|------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 1          | Bangaloro ...    | 68 per cent.                                   | Average for the year 1935-36, is 74.25 per cent.<br>Average for the year 1934-35, is 74 per cent. |
| 2          | Kolar ...        | 71 "                                           |                                                                                                   |
| 3          | Mysore ...       | 71 "                                           |                                                                                                   |
| 4          | Hassan ...       | 67 "                                           |                                                                                                   |
| 5          | Tumkur ...       | 74 "                                           |                                                                                                   |
| 6          | Chitaldrug ...   | 78 "                                           |                                                                                                   |
| 7          | Shimoga ...      | 83 "                                           |                                                                                                   |
| 8          | Kadur ...        | 78 "                                           |                                                                                                   |

K. KRISHNIENGAR,  
*Superintendent.*

Enclosure to Dir's letter  
no file 500/11-157-36-37  
13.10.36  
Subst. 17.10.36

Review on the Annual Report of the Civil  
Department for the year 1935-36.

SECRETARIA  
9 OCT. 1936  
DEVELOPMENT BRANCH

The decline in the outbreaks of Rinderpest among cattle in the State is a note-worthy point in as much as the number of outbreaks registered during the year is only 5 as against 25 during the previous year. The systematic campaign of inoculations since 1925 has largely contributed to the suppression of this disease to this appreciable extent and also to the fall in the number of inoculations under Goat virus, Serum Simultaneous and Serum alone.

It is further observed that outbreaks under Anthrax, Haemorrhagic Septicaemia and Blackquarter are steadily on the decrease.

24,431 sheep were protected by vaccinations as against 4645 sheep during the previous year. The usual propaganda of distributing printed pamphlets in Kannada containing important hints for prevention and treatment of these diseases, lecturing at village panchayet conferences, and cattle fairs continued to be done by the staff. In this connection I strongly support the resolution passed by the Mysore Veterinary Medical Association at their recent meeting and point out that the employment of a whole time propaganda officer for the Department fully equipped with magic lantern and camera films will no doubt be a proper means to promote wide-spread knowledge among the ryot population in dealing with several problems of improving live stock in the State.

Due to frequent inundations of pastures in canal areas and consequent favourable conditions for breeding of snails and other intermediary hosts, parasitic infestation of live stock was ripe in some parts of the State. In addition to treatment of individual cases, spraying of pastures also has been undertaken in selected areas.

Diseases peculiar to poultry and to live stock in the malnad are receiving particular attention.

As a supplement to cattle disease Regulation II of 1927 ~~proposed~~ proposals are before Government to introduce a system of quarantine in order to prevent the spread of cattle diseases more effectively than at present.

Four new dispensaries were opened during the year, besides 64 institutions which already existed in the State.

The work in the Hospitals showed a decided increase. The fresh admissions rose from 2,37,128 to 2,83,603 and the total number of cases treated rose from 4,45,894 to 5,22,295. The institutions continued to be popular.

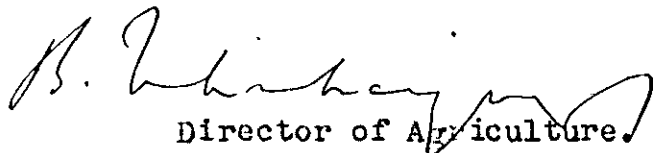
It is highly commendable to note that local bodies and philanthropic gentlemen are extending their co-operation with regard to starting of new dispensaries as well as constructing suitable additions and making alterations to existing buildings.

Dr. P.M. Narainaswami Naidu has been specially entrusted with the research work relating to several diseases prevalent among cattle in the State and his progress in this direction is very satisfactory.

Mr. K. Ranganatha Rao as usual continued his work on Johne's disease and parasitic diseases among the cattle in the State.

The Scientific officers while co-operating with the District staff in the diagnosis of diseases have examined 5 458 disease specimens during the year.

The Department shows progressive improvement in all branches of its activities and the work of the Department is on the whole satisfactory.

  
Director of Agriculture.

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ANNUAL ADMINISTRATION REPORT OF THE CIVIL VETERINARY  
DEPARTMENT FOR THE YEAR 1935-36.

\*\*\*\*\*

I continued to be in charge of the Department during the year under report.

Messrs. B.V. Venkatachar, T.V. Manikraj and N. Krishniengar Assistant Superintendents were in charge of the Bangalore, Mysore and Shimoga Divisions respectively, through out the year.

Mr. C.K. Srinivasa Iyengar who was in charge of Tumkur Division, retired from service on 9th September 1935 and he was succeeded by Mr. R.H. Patankar, who continued in that Division for the rest of the official year, except for a month, when he was on privilege leave, when the Assistant Superintendent, Bangalore Division looked after that Division also in addition to his own.

Mr. K. Ranganatha Rao, Assistant Superintendent continued to be in charge of the Research Work of the Department and also John's Disease Investigation Scheme financed by the Imperial Council of Agricultural Research.

Dr. P.L. Karayanaowami Haidu who returned from the continent after a study of about four years, was appointed as Assistant Superintendent with effect from 26th August 1935, and was entrusted with the work of investigation of some of the obscure diseases prevailing in the State.

Consequent <sup>on</sup> ~~to~~ the inclusion of the Assistant Superintendent Mysore Lancers in the regular cadre of the Department, as sanctioned in G.O.No.D.5445-48/C.V.68-35-6 dated 6th March 1936, Mr. N.R. Srinivasa Iyengar Senior Veterinary Inspector was appointed Assistant Superintendent, with effect from 6th September 1935, <sup>and</sup> ~~was~~ was posted to the Military Department in place of Mr. R.H. Patankar.

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## SEASONAL CONDITIONS.

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Seasonal Conditions were good in all parts of the State. Though no serious scarcity of fodder or water was felt in any part of the State, the adverse seasonal condition of the previous year is reported to have told on the normal health of Live Stock during the early part of the year under report.

## CONTAGIOUS DISEASES.

RINDERPEST. There were no out breaks of Rinderpest requiring attention at the commencement of the year. Only 5 out-breaks were registered during the year as against 25 registered during the previous year. Of these only two were actual out-breaks, one in Sagar Taluk and the other in Chamarajanagar Taluk. In three other places of Madur District, inoculation of animals against Rinderpest, <sup>was conducted</sup> on mere suspicion by the local Veterinary Inspectors. The source of infection was traced to places outside the State. These out breaks were attended to promptly and the disease was stamped out. The continued vigilance of <sup>the</sup> coupled with the existence of immune belts ~~and~~ zones created by the <sup>continued</sup> successful campaigns of inoculations, since 1925, have contributed very largely for the suppression of the disease, with-out much economic loss to ryots.

Departmental Officers

1,423 Goat Virus alone inoculations, 288 Serum Simultaneous and 50 Serum alone inoculations were done in the year, as against 6,395; 1,366 and 121 respectively of the previous year. Serum Simultaneous was resorted to occasionally during the year when dealing with pregnant or debilitated animals and the Serum alone exclusively among the incontacts.

In view of the negligible incidence of Rinderpest outbreaks and the satisfactory results from Goat Blood virus alone inoculations, <sup>this</sup> it was the method of choice in dealing with out-breaks of Rinderpest. Besides, as this method ~~was~~ the advantage of fixed reaction after inoculation, its ready availability for

immediate

immediate field use and its being less cumbersome compared with the Spleen tissue Vaccine emulsion, under field conditions, Goat Blood virus alone was made use of in the field.

ANTHRAX. Five out breaks were pending attention at the commencement of the year and 1,309 were registered during the year as against 1,653 of the previous year. 496 of these out breaks were attended to personally.

Helemangala, Doddballapur, Kolar, Chintamani of Bangalore Division were mostly affected by this disease. 18,886 animals were protected during the year under report, as against 16,265 of the previous year.

In Chollakere Taluk where Anthrax among sheep has become endemic in two villages, special investigation was undertaken during the year and an autogenous vaccine for protecting the sheep, has been prepared and is under Laboratory tests.

HAEMORRHAGIC SEPTICAEMIA. Eight out-breaks required further attention at the beginning of the year. 545 fresh outbreaks were registered during the year as against 573 of the last year and 435 of these were attended to personally.

This disease broke out virulently in Devanhalli, Magadi, Bangalore, Malur, Srinivasapur, Sidlaghatta, Kolar and Chintamani of Bangalore Division, Chitaldrug, Davangere and Holalkere of Tumkur Division and Thirthahalli and Mudigere of Shimoga Division. The map attached to the report shows the badly affected areas.

BLACK QUARTER. There were seven outbreaks requiring attention at the commencement of the year. 759 were registered as against 1,208 of the previous year and 622 were attended to personally. The disease prevailed more severely in the Mysore and Hassan Districts, while in Shimoga, the incidence was the

lowest during the year

The recrudescence of Black-quarter among the young stock of the Government Breeding Station, during the year, in spite of periodical protection with Black-quarter bacterin, is under active investigation by Dr. P.M. Narayanaswamy Naidu of the Scientific Section, with special reference to local conditions soil etc.

SHEEP-POX. With continued propaganda and demonstrations by the staff, ryots are realising the importance of protection offered by timely vaccination against sheep-pox and are coming in larger numbers to have their sheep protected. This will be seen from the number of outbreaks of sheep-pox reported during the current year. As against thirty four outbreaks of sheep-pox reported during the previous year, no less than one hundred and forty outbreaks, or nearly four times as many as that of the previous year, have been reported during the current year. With the odd report pending from the previous year, one hundred and forty one outbreaks were attended to during the year under report, and 24,431 sheep were protected by vaccinations as against 4,645 sheep protected during year previous.

#### OTHER CONTAGIOUS DISEASES.

Under this heading are grouped several diseases mainly of Foot and Mouth disease among Cattle, and Parasitic Diarrhoea among Cattle and Sheep.

In addition to the distribution of printed pamphlets in Kannada, on the most important and deadly diseases among Cattle with detailed instructions to the Patels, popular lectures at village Panchayat Conferences, Cattle Fairs and such other Public congregations, are being delivered by the staff. But still these items of propaganda alone will not improve matters

to ~~from~~

to the desired extent, as the ryot in the village continues to be ignorant and is not educated in the several problems of animal husbandry work. If the propaganda could be extended by means of magic lantern and cinema films for a more effective visual demonstration, explaining the prime need for the hygienic maintenance of Live Stock and adoption of prompt measures for the eradication of diseases, I believe that the losses from preventable diseases could be minimised to a very great <sup>extent</sup> ~~expert~~ and improvement of Live Stock effected at no distant date. In this connection, I may refer to the relevant resolution unanimously passed by the Mysore Veterinary Medical Association at their Eighth Annual Meeting to urge on Government the employment of a whole time propaganda officer, for the Department, fully equipped with magic lantern and cinema films for the purpose.

At the commencement of the year twenty five outbreaks were pending attention, as against fifteen of the previous year, and 4,353 outbreaks were registered during the year as against 3,922 during 1934-35. Of these 1,752 were attended to by the staff, in the remaining written instructions were issued.

Foot and mouth disease prevailed during the year, rather severely in Mysore and Tumkur Districts and was reported to be mild in other parts of the State.

Parasitic infestation of Live Stock, was rife in parts of the State, and was reported to be severe in the canal areas. Owing to intensive cultivation of sugar cane, most of the available pastures are taken up for cultivation and due to frequent inundations of the remaining pastures, water logged areas full of weeds and rank vegetation, are formed. These areas surrounding the villages become favourable grounds for the breeding of snails and other intermedially hosts, as there

is no drainage what-so-ever for the stagnant water. During the year a few of the villages were marked out for dealing with the pastures, in addition to treatment of individual cases. The results will be watched for further extension of this work.

The heavy mortality among sheep in the previous years due to parasitic diarrhoea, has been reduced by a systematic programme of dosing undertaken by the staff, using copper-sulphate.

With the importance of Poultry Industry in the programme of rural reconstruction all over India and in the State, Poultry diseases were reported more promptly than in the previous years. Fowl pest and chicken pox prevailed rather severely in several parts of the State, and caused serious loss to this infant industry. The officers of the Scientific Section, have taken up some of the important diseases of Poultry for intensive work.

Some of the peculiar diseases of Live Stock especially in Malnad tracts require investigation and are being taken up. Until the etiology of the diseases are fully understood, only symptomatic treatment could be undertaken for these at present.

#### CATTLE MORTALITY.

There has been a general decline in the Mortality among the Live Stock in the State, during the year both under contagious and non-contagious causes.

Rinderpest which was once the serious scourge of cattle, was responsible for only 53 deaths during the year, compared with the mortality of the 410 animals during the previous year. This has rendered the staff possible to attend to other diseases, and the mortality recorded under Black quarter and

Anthrax

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Anthrax and Parasitic diseases also shows a decline ~~to~~ that of the previous year.

Although the Mortality under non-contagious causes compared to that of the previous years, has shown a decline during the year, still it continues to be high and is due more to the ignorance and poverty of the villagers. Losses due to the ravages of wild animals was very high in Kadur and Shimoga Districts and can probably be remedied by a relaxation of rules for the issue of gun licenses to some of the villages surrounding forests.

The receipt of Cattle Mortality returns from Taluk offices continues to be unsatisfactory and does not show much improvement, in spite of the annual reviews of Government. Unless and until the Revenue officers in the Taluks take personal interests in the matter, consolidated annual Statements will not form an accurate basis for statistical purposes for all important matters on Animal Husbandry Work in the State.

#### CATTLE DISEASE REGULATION II OF 1927.

During the year under report the rules under the Regulation were not enforced, as in the few villages Rinderpest broke out, the people submitted all their cattle for inoculations and co-operated with the staff in restricting the movement of their Cattle from straying into the adjacent villages.

However, it appears necessary to inaugurate quarantine stations at all important cattle routes in and out of the State to effectively restrict diseases being introduced into the State. This is specially indicated during the six months in the year, when owing to the large cattle fairs in the State, cattle from outside are brought in for sale or exchange. Besides, the establishment of these Stations also will conduce towards

towards accurate statistics being collected on the large export cattle trade and Live Stock during this period, and assist in marketing and other development schemes.

The all India draft regulations passed at the Animal Husbandry Wing of the Imperial Council of Agricultural Research have been submitted for consideration with necessary modifications, to suit local needs.

#### HOSPITALS AND DISPENSARIES.

At the beginning of the year there were sixty four Veterinary Institutions in the State, and four more were opened during the year, at Chiknayakanahalli, Closepet, Laddur and Gudibanda making a total of sixty eight Veterinary Institutions at the close of the year.

It will be evident from the map attached to this report, showing the distribution of these Institutions and the number of Cattle each has to cater, that the number is still ~~short~~ <sup>in</sup> of sufficiency <sup>come up to</sup> to the recommendations of the Royal Commission on Agriculture. But with the Policy of Government of opening at least five Dispensaries annually, it is hoped, the State will in course of time be fully manned, and the Live Stock Industry will be assured of efficient Veterinary Services.

2,83,603 fresh cases were admitted, 5,22,295 cases were treated, 23,222 <sup>animals</sup> cases were castrated and 16,285 other operations were performed during the year in these Institutions as against, 2,37,125; 4,45,894; 20,520 and 15,481 respectively during the previous year. The Staff employed at some of the important Hospitals particularly at the District Head-quarters, requires to be augmented as the cases dealt with in these Hospitals have increased considerably compared with those of previous years. A proposal was submitted to strengthen the District Head-quarter

Hospitals

Hospitals at least, by an additional Veterinary Inspector, but unfortunately this proposal was ordered to lie over.

All the Assistant Superintendents co-operated with the Veterinary Inspectors in the Hospital duties in their Divisional Head-quarters when-ever they were at Head-quarters and advised treatment of complicated cases and performed some major operations also. This has increased the efficiency of these Institutions to some extent. Detailed Inspection of all the Veterinary Institutions were conducted by the respective Divisional Officers.

The ready manner with which local bodies and private philanthropic gentlemen are extending their co-operation in starting new dispensaries or in constructing suitable type-design buildings for the treatment of animals, is commendable. This proves that the Agriculturists and stock owners are - appreciating the services rendered by this Department more and more and is full of happy augury for the repeated progress and improvement of Veterinary Services in the State.

The blocks of Veterinary Hospital buildings at the premier City of Bangalore, constructed last year by the benevolence of Messrs. Luthoji Rao Sindhe and Borajanna, were augmented by the construction and donation of a canine surgery and a dog ward very generously by E.R.Ry. Dharmaprakasha Krishniengar and Mr. Hanumanthappa respectively. These latter additions have been thrown open to the Public.

Mrs. Byalekal Adamma and Mr. Puttayya fitted up water taps free of cost.

Mr. Nagaratnam endowed the building with Sanitary fittings

I should not omit to refer here to the valuable services of Mr. C.V. Govinda Rao, Veterinary Inspector, Bangalore, for his personal zeal in prevailing upon the several donors for the construction of these buildings at a very great self sacrifice

The Dispensary building partly endowed by Mr. Krishna Rao at Arasikere was completed during the year and is occupied since. An Administrative Block donated by Hadathre Halappa Gowda and a Cattle Ward donated by Cojannur Channappa at Sagar are under construction. Mr. Garudachar, Advocate of Shimoga has donated all the three blocks of the Veterinary Hospital as per type-design at Shimoga and this has since been opened by the Dewan in charge. Mr. Shiva Rao, Advocate at Chikmagalur has undertaken the construction of the Hospital Blocks at Chikmagalur. Sowcar Sharabanna of Attibele has deposited a sum of Rs 2,500/- as his quota for the construction of type-design buildings at Anekal. The Dispensary building partly donated by Sowcar Bhupalam Nanjundappa at Hosadurga is completed. The donated building at Gubbi is being erected. Sowcar Sanjeevappa has promised to erect a type-design building at Chintamani at a cost of Rs 3,000/- for the Veterinary Dispensary. The Dispensary built by Mr. Siddegowda at Magadi was opened by Amin-ul-mulk Sir Mirza H. Ismail, Kt., C.I.E., Dewan of Mysore on 20th November 1935 and thrown open to the public.

Though Philanthropic gentlemen are not slow in extending their help to the dumb animals in this way, yet there are places where such Institutions cannot be constructed entirely out of donated funds. If the Government could come forward to bear at least half the quota of construction and provide sufficient funds annually for the construction of five Dispensary buildings in such of the places where it is not possible to secure rich and Philanthropic persons, the other half could be obtained by the local bodies and Philanthropic gentlemen.

#### ITERATION.

In addition to the preventive inoculations undertaken as indicated under the respective contagious diseases, the Veterinary officers have treated 1,06,106 cases, operated on 1,561 cases, castrated 58,264 animals in villages as against 75,362 cases treated, 1,638 operations performed and 58,383 castrations done

done during the previous year. Systematic tours are ordered to be under-taken only in connection with the attendance of outbreaks of contagious diseases in order to keep within the budget grants under Travelling Allowance.

With a view to establish a closer supervision, timely advice and guidance, a proposal has been submitted for the appointment of District Veterinary Officers as the present charge of Division is too unwieldy for the purpose.

#### CATTLE FAIRS.

113 Cattle Fairs were held during the year as against 103 of the previous year. Temporary Veterinary Dispensaries were opened in 112 of these fairs and Cattle Breeders were enlightened regarding the importance of Scientific breeding and rearing of Live Stock and timely inoculations against preventable diseases. Maintenance of pedigree bulls suitable to the locality, castration of scrub bulls, were also stressed at these meetings. However, it seems to be very necessary to have a Regulation for the improvement of Live Stock.

Necessary temporary sheds were provided by the authorities concerned at these fairs for the purpose of locating Dispensaries and these were not quite suitable in many cases. If a scheme of putting up a type-design small field Dispensary in the centre of the Cattle Fair, is adopted by the authorities convening the Cattle Fair, it will serve a very useful purpose. By the vigilance of Veterinary Officers and timely segregation of suspected animals, the source of infection from these fairs was effectively controlled.

#### RURAL VETERINARY AID.

A few of the Village Panchayats in the State are employing castration Demonstrators for a small group of villages, but the number is far too small, and is inadequate. The response to the

the circular appeal to the Amildars in the State for the employment of trained men by Village Panchayats, has not been very encouraging during the year. The work of castration of scrub animals especially by the use of Burdizzo Castrator is ~~not~~ <sup>very</sup> simple <sup>and</sup> an ordinary ryot can easily handle the instrument without any risk to the animal. It is the idea of this Department to transfer this branch of work <sup>eventually</sup> to the ryots themselves by training one or two in each village so that the unwanted bulls might be emasculated in time as the few <sup>of</sup> the Departmental staff <sup>in</sup> the area will not be able to visit all the villages and attend to this work in time.

<sup>however</sup> But there has been a persistent demand for opening more Dispensaries in rural areas, and some of the Municipalities have even indicated their readiness to contribute their quota of expenditure. The District Boards are being requested to examine how far they could meet the needs of the rural areas.

#### JUTKA PONIES.

In view of mechanisation of transport there has been a decrease in Jutka Ponies plying for hire. However, the half yearly inspection of the Ponies plying for public services were conducted as usual. All the District Superintendents of Police have kindly co-operated in preventing the use of condemned ponies unless certified fit by Veterinary authorities. They have also issued strict instructions for the prevention of cruelty to animals.

#### MEAT INSPECTION.

Some of the Municipalities have been utilising the services of Veterinarians to ensure quality of meat sold to citizens. A plan for a model abattoir is under preparation. There has not been <sup>a</sup> any uniform procedure prescribed for passing meat supplied for public consumption and it is found to vary in different

Municipalities.

Municipalities. In order to ensure better service in this behalf, the model set of rules drawn up by the special committee of Imperial Council of Agricultural Research has been recommended for adoption in the State, with such modifications as may be required to suit local conditions.

#### SCIENTIFIC SECTION.

Subsequent to the appointment of Dr. P.H. Marayana Swami Naidu as Assistant Superintendent for Research Work, on his return after completion of his training in Bacteriology, Serology and on animal diseases for nearly four years in foreign countries, the work of this Section which was being carried out by Mr. K. Ranganatha Rao single handed all these years, was divided between the two officers enabling them to concentrate more attention on the several disease problems undertaken by them. The necessity to provide these officers with a small separate establishment to assist them both in field and Laboratory work, has been very keenly felt and proposals are being submitted in the matter.

During the year Mr. K. Ranganatha Rao continued his work on John's Disease among Cattle and parasitic diseases among the Live Stock in the State.

Under John's disease Investigation, the preparation of Johnin and avian-tuberculin were completed, and these were compared with the English and American products. <sup>Johnin and the American product having been received at the end of the year, the comparative tests will be undertaken during the coming year.</sup> The intended survey for the study of the incidence of the disease in Bangalore City was also begun. The experimental herd built up for the systematic study of the disease having shown evidence of infection, arrangements are being made to start treatment with Ol. Chaulmoogra and its derivatives. An initial supply of the medicine has since been obtained from the Madras Medical Stores, as suggested by the Imperial Council of Agricultural Research.

Under Parasitic Diseases among Live Stock, all the Government flocks have been regularly dosed for parasites, under the agency of the local Veterinary Inspectors. It is learnt that the sheep at Habbal Farm did not come to <sup>✓</sup>meat during the year. Whether this has anything to do with the periodical dosing and if this result is noticed in other flocks also in which dosing was undertaken regularly, is being investigated.

The experimental work of treating pastures and grazing lands notorious for distomiasis and other parasitic diseases undertaken last year, was further extended during the year and about 350 acres of infected grazing land were treated in the canal area round about the Government Agricultural Farm in Mandya Taluk where annual losses to cattle owners from parasitic diarrhoea called <sup>✓</sup> and schistosomiasis were reported to be very severe. It is proposed to undertake more intensive work in this area during the coming years simultaneously with medicinal treatment of clinically affected animals.

During the year Mr. K. Ranganatha Rao undertook field experiments with Burma spore Vaccine against Anthrax among Cattle in Alsipur village of Tumkur Taluk and has protected all the young stock of the Imperial Dairy Farm against Rinderpest using Goat Blood virus alone, as per annual programme.

He has tested 388 horses of the Mysore Lancers for evidence of glanders. Also he investigated into an outbreak of infectious leukemia among poultry in the Mission Training School and protected 1,000 fowls against Fowl pox in Krishnarajapuram, Kolar and Bangalore with the Muktesar vaccine during the year.

He prepared 5,200 c.c. of urine Hormone for distribution in Tumkur, Holalkere, Arasikere and Bangalore areas, and Rayankere Dairy Farm for treatment of sterility among cows and bulls. Nearly 40% of the treated animals were reported to have improved.

He was deputed to attend the Veterinary Research Officers' Conference at New Delhi and opened the subject of control of Tuberculosis among Cattle in India.

The Stock verification of my Office was also done by him.

Dr. P.H. Karayana swamy Naidu has undertaken Research Work on the following diseases of Live Stock in the State :-

- a) Polypoid growths in the nasal sinuses of cattle in the Palace Dairy Farm at Rayankere.
- b) Peculiar gastro enteritis among cattle in the Lalnad parts.
- c) Virus diseases of poultry
- d) Black-quarter in the Cattle breeding Station at Ajjampur
- and e) Anthrax among sheep in Challakere Taluk.

It is gratifying to state that the Palace authorities have given full opportunities for the study of the peculiar polypoid growths in the nasal passages among the cows at the Rayankere Dairy Farm and are also handing over to the Department all - suffering cows for a detailed study of the disease at the Laboratory at Hebbal. Dr. P.H. Karayanaswami Naidu has made searching biological tests and has eliminated bacterial, fungoid and blood flukes, having any etiological significance. Whether a virus is responsible for such growths is under study, before taking up nutritional and endocrine disturbances being the cause.

The only outbreak of the peculiar gastro-enteritis reported from Sagar Taluk during the year, was investigated on the spot and essential data and material from ailing cases for a detailed study at the Laboratory have been collected with a view to work out the etiology of the disease.

He has also undertaken a detailed study of Doyles diseases and Fowl pest among the poultry - the two serious disease conditions responsible for heavy losses to the poultry industry in the State and an important item in all rural reconstruction

schemes - and is also engaged in the manufacture of a reliable vaccine against fowl pox.

He has also been investigating the cause of the recurrence of Black quarter among the young stock of the Government Breeding Station at Ajjampur within the period of immunity, and has collected sufficient data to prepare a suitable vaccine as soon as the special facilities required for the work ~~are~~ provided.

He has prepared during the year a special autogenous vaccine for the protection of Sheep against Anthrax in Chellakere Taluk, where the disease has become endemic and affects only sheep. The product is under Laboratory tests before issue to the field.

During the year the two officers have co-operated with the Veterinary Officers of the Forest, Palace and Military Departments in all technical matters.

458 specimens were examined during the year and treated <sup>when</sup> ~~was~~ advised wherever necessary.

|                              | <u>Positive.</u> | <u>Negative.</u> |
|------------------------------|------------------|------------------|
| <sup>no</sup> Actinomycosis. | 4                | 3                |
| Anthrax.                     | 31               | 26               |
| Black quarter.               | 13               | 5                |
| Bovine lymphangitis.         | 1                | 1                |
| Coccidiosis.                 | 6                | 2                |
| Fowl Cholera.                | 2                | 4                |
| Johne's Disease.             | 7                | 4                |
| Haemorrhagic septicaemia.    | 13               | 30               |
| Miscellaneous.               | 41               | 50               |
| Piroplasmiasis.              | 35               | 31               |
| Rabies.                      | 2                | 1                |
| Skin Diseases.               | 9                | 3                |
| Trypanosomiasis.             | 7                | 7                |
| Tuberculosis.                | 3                | 2                |
| Worms.                       | 75               | 22               |
| Urina.                       | 19               | -                |

*of this Section*  
PROGRAMME OF WORK OF THE DEPARTMENT  
FOR THE YEAR 1936-37.

Continuation of the Work on Johne's Disease Investigation as per approved technical programme under the Imperial Council of Agricultural Research Funds.

Further extension of the work on parasitosis among Cattle and sheep with particular reference to the treatment of pastures on approved area plan.

Investigation into diseases of Fowls viz., DoYLES disease, Fowl pest and Chicken pox and preparation of suitable remedies.

Investigation on the cause of the absence of oestrus among the sheep at Hebbal.

Further investigation <sup>into</sup> the peculiar gastro-enteritis among the cattle in Malnad and Polypoid growths in the upper respiratory passages of cattle in the Palace Dairy Farm.

Sterility among cows.

Field tests with Chellakore Vaccine and anaerobic diseases of Live Stock in the State.

#### GENERAL.

It will be seen from what is stated above that there has been an all round increase in the Services rendered to the ryots by the Department as compared with the previous year.

The Stock held in all the Institutions as well as in all subordinate offices were duly checked with Stock Registers.

The Eighth Annual Conference of Mysore Veterinary Medical Association was held at Bangalore in the month of June. Sir Charles Todhunter opened the Conference and Major Marriott delivered the inaugural address. Almost all the Veterinary officers in the State attended the Conference and took part in the deliberation, in spite of no travelling or other allowances being sanctioned to them.

My thanks are due to the Presidents of all the District Boards, and Municipal Councils, for their hearty co-operation in the work of the Department. I am thankful to all the Deputy

Commissioners

Commissioners who have taken keen interest in readily extending help to the Department whenever needed and to Messrs. T. Abdul Khader and S. Narayana Rao, Deputy Commissioners of Tumkur and Shimoga Districts, I am grateful for their personal interest in the activities of the Department.

In conclusion, I am glad to state that the Gazetted and non-gazetted officers of the Department as well as the Office staff have heartily co-operated with me in the work of the Department.

A. Krishnamoorthy  
SUPERINTENDENT,  
CIVIL VETERINARY DEPARTMENT.

DKM.

27

APPENDIX. A.

Statement showing the work done in the Civil Veterinary Department  
During the year 1935-1936.

| Sl.<br>No. | Particulars.                                                                                                         |                                                                        | Number. |
|------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|---------|
| 1.         | Number of fresh cases admitted to the Institutions.                                                                  |                                                                        | 283,603 |
| 2.         | Total of daily attendance for the year.                                                                              |                                                                        | 522,295 |
| 3.         | Number of Castrations performed in the Institutions.                                                                 |                                                                        | 23,222  |
| 4.         | "                                                                                                                    | Surgical Operations performed in the Institutions.                     | 16,285  |
| 5.         | "                                                                                                                    | Villages visited.                                                      | 16,481  |
| 6.         | "                                                                                                                    | Cases treated on tour.                                                 | 106,106 |
| 7.         | Total number of Castrations performed outside head-quarters including the work of Castration, demonstrators, if any. |                                                                        |         |
|            |                                                                                                                      | Bulls.                                                                 | 32,534  |
|            |                                                                                                                      | Sheep & Goats                                                          | 24,920  |
|            |                                                                                                                      | Others.                                                                | 810     |
| 8.         | Number of Surgical Operations performed on tour.                                                                     |                                                                        | 1,561   |
| 9.         | "                                                                                                                    | Out-breaks of Rinderpest pending further attention on 1st July 1935.   | -       |
| 10.        | "                                                                                                                    | " Registered during 1935-36.                                           | 29      |
| 11.        | "                                                                                                                    | " Attended to during '35-36.                                           | 26      |
| 12.        | "                                                                                                                    | " Anthrax pending on 1st July 1935.                                    | 5       |
| 13.        | "                                                                                                                    | " Registered during 1935-36.                                           | 1,309   |
| 14.        | "                                                                                                                    | " Attended during 1935-36.                                             |         |
|            |                                                                                                                      | (a) Personally.                                                        | 496     |
|            |                                                                                                                      | (b) By written instructions.                                           | 812     |
|            |                                                                                                                      | (c) By writing off for want of supply of inoculation material in time. | -       |
| 15.        | "                                                                                                                    | " of H.S. Pending on 1st July 1935.                                    | 8       |
| 16.        | "                                                                                                                    | " Registered during 1935-36.                                           | 546     |
| 17.        | "                                                                                                                    | " Attended to during 1935-36.                                          | 435     |
|            |                                                                                                                      | (a) Personally.                                                        |         |
|            |                                                                                                                      | (b) By written instructions.                                           | 112     |
| 18.        | "                                                                                                                    | " Black-quarter pending on 1st July 1935.                              | 7       |
| 19.        | "                                                                                                                    | " Registered during 1935-36.                                           | 759     |
| 20.        | "                                                                                                                    | " Attended                                                             | 622.    |
|            |                                                                                                                      | (a) Personally.                                                        |         |
|            |                                                                                                                      | (b) Could not be attended for want of time.                            | 76      |
|            |                                                                                                                      | (c) No. cancelled after V.I.'s visit.                                  | 50      |
|            |                                                                                                                      | (d) By written instructions.                                           | 4       |
| 21.        | "                                                                                                                    | " Sheep-pox pending on 1st July 1935.                                  | 1       |
| 22.        | "                                                                                                                    | " Registered during 1935-36.                                           | 140     |
| 23.        | "                                                                                                                    | " Attended during 1935-36 personally.                                  | 138     |

|     |                                                            |                             |        |
|-----|------------------------------------------------------------|-----------------------------|--------|
| 24. | Number of out-breaks of all other contagious diseases      |                             |        |
|     | Pending on 1st July 1935                                   |                             | 25     |
| 25. | " " " Registered during 1935-36                            |                             | 53     |
| 26. | " " " Attended to during 1935-36                           |                             | 62     |
|     | (a) Personally.                                            |                             | 1,722  |
|     | (b) By written instructions.                               |                             | 2,609  |
| 27. | Total number of Out-breaks detected.                       | (a) Personally on tour      | 717    |
|     |                                                            | (b) C.M.R. in Taluk office. | 3,604  |
| 28. | Total No. of out-breaks that were reported through         | (a) C.V.D. 10-B.            | 1,408  |
|     |                                                            | (b) " 10-C.                 | 532    |
|     |                                                            | (c) From other source.      | 850    |
| 29. | Number of inoculations performed against Rinderpest.       | (a) S.S. method.            | 288    |
|     |                                                            | (b) S.A. "                  | 50     |
|     |                                                            | (c) Goat virus alone.       | 1,423  |
| 30. | Number of inoculations performed against Anthrax.          |                             | 18,886 |
| 31. | Number of inoculations performed against Black-quarter.    | (a) By Filtrate B.Q.        | 911    |
|     |                                                            | (b) " Filtrate & Serum.     | 596    |
|     |                                                            | (c) " Bacterin.             | 48,925 |
| 32. | Number of Vaccinations performed against Sheep-pox.        |                             | 24,431 |
| 33. | " inoculations performed against Haemorrhagic Septicaemia. |                             | 47,132 |
| 34. | " Cattle-fairs held in the area during 1935-36.            |                             | 113    |
| 35. | " " attended by the Veterinary Inspector.                  |                             | 112    |
| 36. | " " Village Panchayat Conference held.                     |                             | 13     |
| 37. | " " " " " attended.                                        |                             | 12     |

SUPERINTENDENT.

DKM.9.

# APPENDIX. B.

Statement showing the number of out-breaks of Epidemic Cattle Diseases attended to in the Mysore State during the year 1935-1936.

| Sl. No.            | District.   | No. of<br>Insti-<br>tutions | Rinder-<br>pest. | An-<br>thrax. | Haem.<br>Sept. | Black<br>Qrtr. | Sheep<br>Pox. | Other<br>conta-<br>gious<br>Diseases. | Total for<br>1935-36 | Total<br>for 34-<br>35. |
|--------------------|-------------|-----------------------------|------------------|---------------|----------------|----------------|---------------|---------------------------------------|----------------------|-------------------------|
| 1.                 | Bangalore.  | 10                          | -                | 189           | 64             | 171            | 45            | 691                                   | 1,160                | 1,016                   |
| 2.                 | Kolar.      | 9                           | -                | 189           | 49             | 64             | 31            | 409                                   | 742                  | 885                     |
| 3.                 | Mysore.     | 12                          | 1                | 348           | 94             | 164            | 3             | 946                                   | 1,554                | 1,312                   |
| 4.                 | Hassan.     | 7                           | -                | 30            | 105            | 143            | 6             | 850                                   | 1,137                | 952                     |
| 5.                 | Kadur.      | 6                           | 3                | 18            | 43             | 13             | -             | 307                                   | 387                  | 421                     |
| 6.                 | Shimoga.    | 8                           | 1                | 255           | 47             | 26             | -             | 353                                   | 682                  | 1,165                   |
| 7.                 | Tumkur.     | 8                           | -                | 136           | 25             | 111            | 34            | 537                                   | 873                  | 894                     |
| 8.                 | Chitaldrug. | 8                           | -                | 145           | 117            | 57             | 19            | 241                                   | 579                  | 777                     |
| Total for 1935-36. |             |                             | 5                | 1,308         | 547            | 752            | 138           | 4,364                                 | 7,114                | -                       |
| Total for 1934-35. |             |                             | 25               | 1,651         | 571            | 1,227          | 33            | 3,915                                 | -                    | 7,422                   |

# APPENDIX. C.

Statement showing the number of inoculations done against Epidemic Diseases in the State during the year 1935-1936.

| Sl. No.            | District.   | No. of<br>Insti-<br>tutions. | G.V. | Rinderpest.<br>S.S. | Black Haem.<br>S.A. | An-<br>thrax. | Sheep<br>pox | Fowl<br>Chol | Total<br>for<br>35-36 | Total<br>for<br>34-35. |        |       |
|--------------------|-------------|------------------------------|------|---------------------|---------------------|---------------|--------------|--------------|-----------------------|------------------------|--------|-------|
| 1.                 | Bangalore.  | 10                           | -    | -                   | -                   | 14,311        | 6195         | 5420         | 3847                  | 129                    | 29,902 | 27727 |
| 2.                 | Kolar.      | 9                            | -    | -                   | -                   | 2,085         | 2261         | 3351         | 5086                  | -                      | 12,783 | 19298 |
| 3.                 | Mysore.     | 12                           | 512  | 107                 | -                   | 11,452        | 515          | 1563         | 693                   | 91                     | 14,933 | 15468 |
| 4.                 | Hassan.     | 7                            | -    | -                   | -                   | 8,486         | 10055        | 355          | 1177                  | 12                     | 20,085 | 5991  |
| 5.                 | Kadur.      | 6                            | 470  | -                   | 50                  | 179           | 4196         | 56           | -                     | 428                    | 5,378  | 5502  |
| 6.                 | Shimoga.    | 8                            | 441  | 181                 | -                   | 199           | 6455         | 2312         | -                     | -                      | 9,588  | 12502 |
| 7.                 | Tumkur.     | 8                            | -    | -                   | -                   | 9,034         | 51           | 2813         | 7691                  | 60                     | 19,649 | 29871 |
| 8.                 | Chitaldrug. | 8                            | -    | -                   | -                   | 4,686         | 17404        | 3017         | 5937                  | -                      | 31,044 | 27858 |
| Total for 1935-36. |             | 1423                         | 288  | 50                  | 50432               | 47132         | 18886        | 24431        | 720                   | 143362                 | -      |       |
| Total for 1934-35. |             | 6395                         | 1368 | 121                 | 78247               | 37178         | 16265        | 4645         | -                     | -                      | 144217 |       |

32

APPENDIX. D.

Statement showing the work done in each Veterinary Institutions in the State during the year 1935-1936.

| Sl. No.            | District.   | No. of Institutions | Fresh cases admitted. | Total cases attended. | Castrations performed. |                |        | Number of other operations. |
|--------------------|-------------|---------------------|-----------------------|-----------------------|------------------------|----------------|--------|-----------------------------|
|                    |             |                     |                       |                       | Bulls.                 | Sheep & Goats. | Others |                             |
| 1.                 | Bangalore.  | 10                  | 43,745                | 84,363                | 1,721                  | 1,266          | 17     | 3,652                       |
| 2.                 | Kolar.      | 9                   | 23,556                | 54,856                | 1,718                  | 703            | 26     | 2,222                       |
| 3.                 | Mysore.     | 12                  | 49,002                | 102,659               | 1,459                  | 1,153          | 23     | 3,023                       |
| 4.                 | Hassan.     | 7                   | 43,154                | 71,009                | 2,497                  | 430            | 4      | 1,424                       |
| 5.                 | Kadur.      | 6                   | 24,433                | 43,279                | 693                    | 127            | 107    | 719                         |
| 6.                 | Shimoga.    | 8                   | 32,094                | 55,958                | 855                    | 165            | 41     | 1,347                       |
| 7.                 | Tumkur.     | 8                   | 40,224                | 64,910                | 5,445                  | 1,802          | 45     | 2,691                       |
| 8.                 | Chitaldrug. | 8                   | 21,335                | 44,251                | 2,311                  | 528            | 78     | 1,307                       |
| Total for 1935-36. |             |                     | 233,603               | 522,295               | 16,707                 | 6,174          | 341    | 16,285                      |
| Total for 1934-35. |             |                     | 237,125               | 445,894               | 14,355                 | 5,982          | 183    | 15,481                      |

APPENDIX. E.

Statement showing the work done on tour by Veterinary Officers in the State for the year 1935-1936.

| Sl. No.            | District.   | No. of Institutions. | No. of cases treated. | Castrations done on tour. |               |         | Operations done on tour. | Cattle Fairs attended. | Village Panchayat Conferences attended. |
|--------------------|-------------|----------------------|-----------------------|---------------------------|---------------|---------|--------------------------|------------------------|-----------------------------------------|
|                    |             |                      |                       | Cattle.                   | Sheep & Goat. | Others. |                          |                        |                                         |
| 1.                 | Bangalore.  | 10                   | 17,156                | 2,619                     | 3,393         | 8       | 391                      | 27                     | 4                                       |
| 2.                 | Kolar.      | 9                    | 9,771                 | 3,021                     | 3,685         | 5       | 271                      | 27                     | 3                                       |
| 3.                 | Mysore.     | 12                   | 22,174                | 4,718                     | 3,681         | 47      | 187                      | 15                     | -                                       |
| 4.                 | Hassan.     | 7                    | 18,140                | 2,685                     | 4,518         | 2       | 55                       | 8                      | 3                                       |
| 5.                 | Kadur.      | 6                    | 10,131                | 3,671                     | 483           | 537     | 215                      | 2                      | 1                                       |
| 6.                 | Shimoga.    | 8                    | 10,139                | 3,757                     | 265           | 153     | 108                      | 6                      | 2                                       |
| 7.                 | Tumkur.     | 8                    | 11,765                | 6,115                     | 5,334         | 39      | 76                       | 21                     | -                                       |
| 8.                 | Chitaldrug. | 8                    | 9,830                 | 5,948                     | 3,561         | 19      | 348                      | 6                      | -                                       |
| Total for 1935-36. |             |                      | 103,106               | 32,534                    | 24,920        | 810     | 1,561                    | 112                    | 12                                      |
| Total for 1934-35. |             |                      | 75,362                | 34,513                    | 23,575        | 195     | 1,638                    | 103                    | 7                                       |

## APPENDIX F.

33

Statement showing the Cattle Mortality in the State from contagious diseases during the year 1933-36.

| District.          | Hinderpest. | Haemorrhagic Septicæmia. | Anthrax. | Black quarter. | Foot and mouth. | Surra. | Red-water. | Parasitic diarrhoea. | Other contagious diseases. | Total. |
|--------------------|-------------|--------------------------|----------|----------------|-----------------|--------|------------|----------------------|----------------------------|--------|
| 1. Bangalore.      | -           | 223                      | 318      | 369            | 61              | 1      | -          | 234                  | 342                        | 1,558  |
| 2. K o l a r .     | -           | 203                      | 356      | 119            | 71              | 1      | 8          | 123                  | 488                        | 1,354  |
| 3. Mysore.         | 11          | 115                      | 444      | 374            | 372             | 1      | 6          | 720                  | 156                        | 2,105  |
| 4. Hassan.         | -           | 359                      | 42       | 372            | 279             | -      | 6          | 312                  | 103                        | 1,478  |
| 5. Tumkur.         | -           | 37                       | 274      | 251            | 93              | 3      | 7          | 192                  | 633                        | 1,320  |
| 6. Chitaldrug.     | -           | 774                      | 240      | 133            | 23              | -      | -          | 78                   | 754                        | 2,074  |
| 7. Shimoga.        | 42          | 117                      | 331      | 37             | 174             | -      | 1          | 230                  | 143                        | 1,076  |
| 8. Kodur.          | -           | 112                      | 23       | 17             | 123             | -      | -          | 73                   | 159                        | 513    |
| Total for 1935-36. | 63          | 1,935                    | 2,041    | 1,677          | 1,175           | 3      | 27         | 1,960                | 2,690                      | 11,627 |
| Total for 1934-35. | 410         | 1,533                    | 2,795    | 2,499          | 2,071           | 4      | 7          | 2,835                | 2,142                      | 15,226 |

# APPENDIX 1G.

34

Statement showing the percentage of Cattle Mortality Returns received from the Patels, during the year 1935-36.

| Sl: No. | Name of District. | Percentage of Returns received from the Patels. | Remarks.             |
|---------|-------------------|-------------------------------------------------|----------------------|
| 1.      | Bangalore.        | 68 Per-cent.                                    |                      |
| 2.      | K o l a r .       | 71 "                                            | Average for the year |
| 3.      | Mysore.           | 71 "                                            | 1935-36 is 74.25.    |
| 4.      | Hassan.           | 67 "                                            | per-cent.            |
| 5.      | Tumkur.           | 74 "                                            | Average for the year |
| 6.      | Chitaldrug.       | 78 "                                            | 1934-35 is 74 per-   |
| 7.      | Shimoga.          | 83 "                                            | cent.                |
| 8.      | Kadur.            | 78 "                                            |                      |

*A. Krishniah*

SUBJECT.....

Diary No. of letter replied to.....

General and Revenue Secretariat

( )  
the 193 .

Date of issue..... 3-11-36

Signed by *Mr. K. R. Rao*

250 copies to the  
Genl. Secy. to Govt.  
250 copies to this office.

List of enclosures.....

Copied by *[Signature]*

Examined by.....

Section C.V

File No. 27-36

Serial No. 2

No. D. 3020 of 3/11/36

To

The Secy., East Bunting  
Bangalore

Sir,

I am directed to forward, herewith, a copy of the Administrative Report of the C.V.D. for the year 1935-36 and to request that <sup>it</sup> ~~it~~ <sup>may be set in type</sup> and the usual number of copies printed & kept ready for being bound with the Court Review thereon which will be sent to you in due course.

Two clean  
Two proofs ~~may~~ may  
be arranged to be sent to direct

6- the Burq Afr. for inspection  
& approval before copies are struck  
off.

Section  
File No.  
Serial No.

Please, cl

by  
27.10.36  
for and by  
h

Mem No 93021 D 2/11/36

Copy to the Burq Afr. & Administration.

Refer to his letter No 100500

He 157/36-37 d 13/10/36

by  
27.10.36  
for and by  
h

## Général and Revenue Secretariat

No. D. 3020

**The General Secretary to the Government of His Highness  
the Maharaja of Mysore.**

Sir,

I am directed to forward, herewith, a copy of the Administration Report of the Civil Veterinary Department, for the year 1935-36 and to request that it may be caused to be set in type and the usual number of copies printed and kept ready for being bound with the Government review thereon which will be sent to you in due course.

Two clean proofs may be arranged to be sent ~~direct~~ to the Director of Agriculture, for verification and approval before copies are struck off.

250 copies to the  
Director of Agriculture.  
250 copies to this Office.

I have the honour to be,  
Sir,

Your most obedient servant

Sd/- M. Venkatesa Iyengar,  
General Secretary to Government

Memo No. D Bo 21

Dated, Bangalore, the 30th October 1936.

Copy. of the above, is forwarded, with compliments, to the Director of Agriculture in Mysore, with reference to his letter No.P.O.C.500-T.C.157/36-37 dated 15.10.1936.

Ker.

By Order,

Well-

For General Secretary to Government

K. 3. B. 2.

12

50

Proceedings of the Government of  
His Highness the Maharaja of Mysore.

Read -

C.V. 27-36-3

Letter No. Roc.500/Hc 157/36-37 dated 13th October 1936 from the Director of Agriculture, submitting the Administration Report of the Civil Veterinary Department for the year 1935-36 with his review thereon.

ORDER NO.

Dated, Bangalore, December 1936.

*Recorded.*

~~The cattle mortality, in spite of the general decline noticeable during the year under review, still continues to be high, and this ~~state of affairs~~ is attributed to mostly the ignorance and poverty of the villagers. It is stated that losses due to the ravages of wild animals were high in the Kadur and Shimoga Districts.~~

The complaint about the irregular receipt or non-receipt of cattle mortality returns from Taluk offices continues. The Revenue Commissioner is requested to report in consultation with the Director of Agriculture, what steps he would propose to remedy the defect.

*24/12/36*

*26/12*

General Secretary to Govt.

*24.12.36*

To

*Mr. Dir. of Agriculture*

*Mr. R.C.*

*Mr. Secy of Govt.*

*Mr. President of Wt. Bd.*

*Mr. President Mysore City Municipal*

*Mr. Secy. of Bd. of Dist.*

*Mr. President, Bangalore Bd., K. B.*

*Mr. Secy of other dist.*

*Pres. Table, copy to Mr. Secy of Govt.*

*Pres. 9/1*

31

PROCEEDINGS OF THE GOVERNMENT OF HIS HIGHNESS  
THE RAJAH OF MYSORE.

124

Read:-

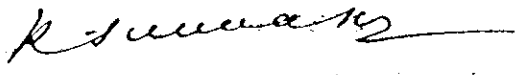
Letter No. Doc. 500/Ho 157/36-37 dated 13th October 1936  
from the Director of Agriculture, submitting the Administra-  
tion Report of the Civil Veterinary Department for the year  
1935-36 with his review thereon.

\*\*\*\*\*

ORDER No. D 4556 4625/C.V. 27-36-3

Dated Bangalore the 8th January 1937.  
186

Recorded.

  
For General Secretary to Government.  
He

To

The Director of Agriculture in Mysore.  
The Revenue Commissioner in Mysore.  
The Deputy Commissioners of Districts.  
The Presidents of District Boards.  
The President, Mysore City Municipality.  
The Municipal Commissioner, Bangalore City.  
The President, Sanitary Board,olar Gold Field.  
The Heads of other departments.

RECEIVED

c.n.12

RECORDING OF THE REVENUET OFFICE IN 1937

REVENUE DEPARTMENT, BANGALORE.

27/1/37

Received:-

Letter No. 566/167/36-37 dated 15th October 1936  
from the Director of Agriculture, submitting the Adminis-  
tration Report of the Civil Veterinary Department for the year  
1935-36 with his review thereon.

C. R. No. D 4536-4625/C.V 27-36-3

Dated Bangalore the 31st January 1937.

R

Recorded.

*R. S. S. S. S.*

For General Secretary to Government.

*See*

To

The Director of Agriculture in Mysore.  
The Revenue Commissioner in Mysore.  
The Deputy Commissioners of Districts.  
The Presidents of District Boards.  
The President, Mysore City Municipality.  
The Municipal Commissioner, Bangalore City.  
The President, Sanitary Board, Belar Taluk.  
The Heads of other departments.

REVENUE DEPARTMENT.

C.R.12